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Tabulation of Data on Receiving Tubes

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The National Bureau of Standards
Electron Devices Data Service



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Foreword

This tabulation of data on receiving tubes currently in use has been prepared as part of the National Bureau of Standards Electron Devices Data Service. Established in 1948 to provide technical data on radio tubes to members of the Bureau staff, the service has since been extended to other scientists in government and in industry. In the course of the program, a large volume of information on domestic and foreign tubes has been accumulated on punched cards from which it could be automatically printed. It was felt desirable to make these data available in a single reference source as an aid to circuit designers in selecting tube types for particular uses.

The engineer should find this manual useful in narrowing down the choice of tubes to one or a few types. However, it is not practical to give all possible operating conditions nor to provide the characteristic curves for each tube in a tabulation such as this. It will still be necessary to consult the tube manufacturer's literature for such detailed information.

All information appearing in this publication was taken from manufacturers' published specifications and every effort has been made to ensure accuracy and completeness. However, the Bureau cannot assume responsibility for omissions nor for results obtained with these data.

Additional NBS prepared tabulations which are also available include the following: "Tabulation of Data on Microwave Tubes" NBS Handbook 104 (1967), which represents a listing of foreign and domestic microwave tubes; "Tabulation of Data on Microwave Diodes", "Tabulation of Data on Space-Charge Tubes", published in the 1964 & 1965 editions of "Microwave Engineers Handbook and Buyers Guide", "Tabulation of Published Data on Soviet Electron Devices Through June 1965", NBS Technical Note 265, and "Electron Tube Interchangeability Chart" (published by Electronic Industries, 1962).

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Tabulation of Data on Receiving Tubes

A tabulation of Receiving-Type Electron Tubes with some characteristics of each type has been prepared in the form of two major listings, a Numerical Listing in which the tubes are arranged by type number, and a Characteristic Listing in which the tubes are arranged by tube type and further ordered on the basis of one or two important parameters. The tabulation is accompanied by a listing of similar tube types and basing connections for the listed tubes.

1. Introduction

The Electron Devices Section of the National Bureau of Standards has developed over the past several years an Electron Devices Data Service. This service attempts to obtain and maintain a file of data on all electron devices, i.e., tubes, transistors, and semiconductor diodes, manufactured in the United States and other countries. In an effort to make this service more readily available to engineers applying electronics in laboratories throughout the country, it was decided to develop a method of tabulating the essential information on these devices in handbook form for ready reference. For this publication on Receiving Tubes, an easily decipherable code and format for the tube characteristics was developed which would be suitable for a punched card system allowing automatic transfer to the printed page. The sources of information were the manufacturers' published handbooks and data sheets. The accuracy of the printed information is reasonably assured by verifying tabulations, by various sortings, and cross checking with manufacturers' publications.

This tabulation includes only the information normally furnished by the manufacturers in their handbooks or data sheets, and includes those tubes generally known as "Receiving Tubes." These include tubes to be found in home entertainment devices, military equipment, general purpose electronic laboratory equipment, etc.

One further restriction is that the tubes are currently active types, most of which have been registered with EIA and are produced by foreign or United States manufacturers. These tubes appear in the manufacturers' "New Equipment Price Lists" or are those on which a new or revised data sheet has been issued since 1960. Types listed by manufacturers as "For Replacement Only" or as "Discontinued" types are tabulated only in the Numerical Listing.

The user of this tabulation should be reminded that industry has used various letter suffixes to designate improved versions of a tube type. For example the letter "W" indicates that the type has been improved for military end-use and "WA" and/or "WB" indicate further improve-

ments. Thus the "6AL5W" is an improved version of the "6AL5" and this is continued to the ultimate improved type designation "5726/6AL5W".

To avoid these complex designations, this tabulation lists only the type numbers by which a type is most commonly designated. The user should be cautioned that these versions of a tube may not be bilaterally interchangeable as the improved versions may differ in some physical dimensions or in one or more electrical characteristics.

2. Organization of the Tabulation

The Receiving Tube Tabulation comprises four principal sections as follows:

1. *Numerical Listing.* In this, the tubes are arranged by type number in the numerical-alphabetical sequence which is standard in the industry.

2. *Characteristics Listing.* Here the current tubes are grouped according to the number of electrodes, and within the group they are arranged by increasing value of one or two pertinent characteristics.

3. *Similar Tube Types.* Following each tube listed is one or more types similar to it. Here are found those tubes from sections 1 and 2 which are coded as having similar types available, together with some older tubes not included in sections 1 and 2 but which are similar to a current listed tube.

Tubes which are identical in all respects except heater ratings, e.g., 3BE6, 4BE6, 12BE6, etc., have been omitted from the similar tubes list since they are obviously similar types and may be found by turning to the characteristics listing where they will be found in a group or in close proximity to one another.

4. *Electronic Industries Association (EIA) Base Connections.* This section shows the base connections in tabular form for the EIA Base Numbers shown in the Numerical and Characteristic Listings. This tabular form contains all the information shown in the normal basing diagram and specifically indicates the use for each base pin. Initial confusion at this method of display will be more than compensated by the ready applicability

of the specific information contained in this tabular form.

The format has column headings of the base pin numbers up to twelve and one column for a top cap or external connection. Under these headings, is printed the symbol for the tube element or elements corresponding to the pin number for each base number. The code for the symbols is shown below:

H	Heater
F	Filament
HCT	Heater Center Tap
FCT	Filament Center Tap
K	Cathode
G1, G2, etc.	Grid Number
P	Plate
D	Deflector
T	Target
IC	Internal Connection
IS	Internal Shield
SH	Shell, Sleeve, etc.

A prefix number is used before the code letter to indicate the section number of the tube (e.g., the two sections in a twin triode) and a postfixed number to indicate the number of the element in a section. In those cases in which an element is common to more than one section, no prefixed number is used (e.g., a single common screen grid, G2 in a twin pentode).

A blank in the column of a pin number indicates that there is no pin in the base or that the pin has no internal or external connection.

3. Sorting and Terminology of the Tabulation

To assist the user in understanding and applying the tabulation, the method of sorting and the definition of terms and abbreviations are explained in this section.

3.1. Sorting Methods

The Numerical Listing is arranged in numerical-alphabetical sequence by tube type number. In the Characteristics Listing the tubes are arranged in 45 groups by tube structure. Within these groups the tubes are arranged according to increasing value of one or two important parameters and finally by tube type number.

Given below are the groups into which the tubes are arranged and the characteristics by which the tubes are sorted within a group, e.g., all of the single triodes are grouped together, and are arranged in order of increasing value of " μ ". Where two or more tubes have the same μ , these are then arranged by increasing value of "gm". Tubes with identical values of both μ and gm are then sorted by type number.

Group heading	Characteristics sorted on		
	Primary	Secondary	Tertiary
1. Regulator, Single Diode, Cold Cathode.			
2. Regulator, Single Diode, Filamentary Cathode.	E _b *	I _b *	Type No.
3. Rectifier, Single Diode, Cold Cathode.			
4. Rectifier, Single Diode, Filamentary Type.	E _{px} *	I _b	Type No.
5. Rectifier, Single Diode, Heater Type.			
6. Damper, Single Diode.			
7. Diode, Twin, Cold Cathode.			
8. Diode, Twin, Filamentary Type.			
9. Diode, Twin, Heater Type.	E _{px}	I _b	Type No.
10. Diode, Multiple.			
11. Diode with Triode.			
12. Diode, Twin, with Triode.			
13. Diode with Tetrode.	E _{px}	I _b	Type No.
14. Diode, Triple, with Triode.			
15. Diode with Pentode.			
16. Triode, Single.			
17. Triode, Twin.			
18. Triode, Dual Dissimilar.			
19. Triode, Triple.			
20. Triode with Diode.			
21. Triode with Tetrode.	μ	gm	Type No.
22. Triode with Beam Type.			
23. Triode with Pentode.			
24. Triode with Hexode.			
25. Triode with Pentagrid.			
26. Tetrode, Single.			
27. Tetrode, Twin.	gm		Type No.
28. Tetrode with Diode.			
29. Tetrode with Triode.			
30. Beam, Single.			
31. Beam, Twin.			
32. Beam, Miscellaneous.			
33. Beam with Triode.			
34. Pentode, Single.	gm	r _p	Type No.
35. Pentode, Twin.			
36. Pentode, Dissimilar.			
37. Pentode with Diode.			
38. Pentode with Triode.			
39. Pentagrid, Single.	gm	r _p	Type No.
40. Pentagrid with Triode.			
41. Hexode, Single.	gm		Type No.
42. Hexode with Triode.			
43. Thyratron, Triode Type.	E _{px}	I _b	Type No.
44. Thyratron, Tetrode Type.	E _b	I _b	Type No.
45. Indicator, Electron Ray.			

*E_b and E_{px} used for sorting are the maximum values, I_b is the typical value.

3.2. Terminology

The Numerical and Characteristic Listings are in tabular form containing 22 columns. The headings of these columns and their meanings are given below.

A blank in any column indicates that the characteristic designated by the column is not applicable to the tube in question or that no value was given in the available data.

Definitions

Type Number. This column lists the numerical-alphabetical designation assigned to the tube type by the manufacturer.

Code. A letter "S" indicates that this tube is similar to some other type. Such a tube will be found in the Similar Tubes List on pages 115 through 125 with its similar types. It is to be noted that these tubes are similar, not necessarily equivalent or directly interchangeable.

A star (★) in this column indicates that the tube is on the Military Preferred List issued by the Department of Defense as "Military Standard

Electron Tubes; Selection and use of," MIL-STD-200H, 17 January 1966.

A plus sign (+) is used to designate a tube not on the Military Preferred List but which the manufacturer refers to as a ruggedized, reliable, or premium type.

In the Numerical List the letters "OBS" have been used to indicate that these tube types were not found on any manufacturers current price list and are thus considered as "replacement only" types and as such should not be considered in the design of new equipment. These will not appear in the Characteristics Listing but have been included in the Numerical List for reference only.

Kind. An easily decipherable three-letter symbol is used here showing the tube to be a diode, triode, beam pentode, etc.

BEA	Beam
DIO	Diode
DWD	Double Diode
GTB	Gated Beam
HEX	Hexode
PDD	Pentode—Diode
PND	Pentode
PTG	Pentagrid
SHB	Sheet Beam
TDI	Triode Dissimilar
TET	Tetrode
TRD	Triple Diode
TRI	Triode
TRT	Triple Triode
TTR	Twin Triode
TWP	Twin Pentode

Type. A three-letter symbol is used to amplify the characterization under "Kind." Thus a tube is designated as single, twin, or combined with some other type in a multiple structure, in one envelope.

Note: A tube containing two or more different structures in one envelope will be listed once for each such structure in the Numerical Listing and once in each appropriate group in the Characteristic Listing, e.g., the 6X8 is listed as a triode with a pentode section and also as a pentode with a triode section. The data given on any one line refers to the section of the tube as designated in the column headed "Kind."

DIO	With Diode
DIS	Dissimilar (as applied to Dual Triodes)
DSD	Dissimilar with Diode
DTR	With Dissimilar Dual Triode
DWD	With Double Diode
GTB	With Gated Beam
PDD	With Pentode—Diode
PND	With Pentode
QUA	Quadruple
SIN	Single-Type
SXD	Sextuple
TDI	With Triode Dissimilar
TET	With Tetrode
TRD	With Triple Diode

TRI	With Triode
TTR	With Twin Triodes
TWN	Twin Type

Bulb. Designates the type, size, and shape of the bulb by an alphabetical-numerical code defined as follows:

A. Initial Letter

MT—Metal Tubular or Cylindrical Shape
S—Indicates the "ST" design, i.e., the domed-conical-body glass bulb
T—Glass tubular or cylindrical shape

B. Number—this number multiplied by one-eighth ($\frac{1}{8}$) inch gives the bulb diameter. Only the whole number is used, thus a T6½ bulb is designated T6.

C. Descriptive terms are used for the following:

ACO	Acorn Design
CM	Ceramic-Metal Design
LIT	Lighthouse Design
PEN	Pencil Design

Use. Gives the application for which the tube was developed or is most useful as stated in the manufacturer's data sheet. If a tube is particularly suited to some band of frequencies such as audio, intermediate, very high, etc., it is so designated in this column by AFA, IFA, VHF, etc. Such designation is the only reference to the frequency of operation of tubes in this Tabulation.

AFA	Audiofrequency amplifier
AFD	Audiofrequency Driver
CA	Cascode Amplifier
CH	Television Color Control
CON	Converter
DA	Damper
DET	Detector
DIS	Discriminator
EL	Electrometer
GA	Gating Amplifier
GEN	General Purpose
GGA	Grounded Grid Amplifier
HDA	Horizontal Deflection Amplifier
HDO	Horizontal Deflection Oscillator
HF	High Fidelity
IFA	Intermediate-frequency Amplifier
IND	Indicator (Electron Ray)
MIX	Mixer
ONA	On-Off Applications (Computer Service)
OSC	Oscillator
PA	Power Amplifier
REC	Rectifier
REF	Voltage Reference
REG	Voltage Regulator
RFA	Radio Frequency Amplifier
SEM	Secondary Emission Tube
THY	Thyratron
TRG	Trigger
UHF	Ultra-high Frequency Amplifier
VA	Voltage Amplifier

VDA	Vertical Deflection Amplifier
VDO	Vertical Deflection Oscillator
VHF	Very-high Frequency Amplifier

Char. Refers to a specific characteristic of the given tube.

GAS	Gas-filled (as applied to rectifiers, regulators, etc.)
HIP	High Perveance
RCO	Remote Cutoff i.e., more than 17 V
SCO	Sharp Cutoff i.e., 7 volts or less
SRC	Semi-remote Cutoff i.e., more than 7 V but less than 17 V
VAC	Vacuum (as applied to rectifiers)

Reg. Indicates the manufacturer who registered the type with the EIA. In some cases a manufacturer may no longer make a tube which he registered but it was impractical to try to list all companies making a given tube type so the present system was adopted as being fair to all manufacturers.

The not equal sign (\neq) is the symbol used to indicate that the original registrant is no longer producing receiving tubes, but the type is currently being manufactured by another company or companies.

AE	Associated Electrical Industries
AM	Amperex Electronic Corp.
BE	Bendix Electron Tube Products
CG	Canadian General Electric Co. Ltd.
CH	Chatham Electronics
CI	Compagnie Industrielle Francaise
GE	General Electric Co.
HI	Hitachi Ltd.
HY	CBS Hytron
LR	Standard Elektrik Lorenz
MT	Matsushita Electronics Corp.
MU	Mullard Ltd.
NN	New Nippon Electric Co.
NU	National Union Electric Corp.
PL	Philco (Lansdale)
RA	Raytheon Co.
RC	Radio Corporation of America
RE	Rogers Electronic Tubes Ltd.
RV	Radio Valve Co. Ltd.
SH	Siemens & Halske
SO	Sonotone Corp.
ST	Standard Telephones & Cables Ltd.
SY	Sylvania Electric Products, Inc.
TE	Telefunken G.M.B.H.
TO	Tokyo Shibaura Electric Co. Ltd. (Toshiba)
TS	Tungsol Electric Inc.
VI	Victoreen Instrument Co.
WE	Western Electric Co., Inc.
WH	Westinghouse Electric Corp.

K type

C	Cold Cathode
F	Filamentary Cathode
H	Heater type (i.e., unipotential cathode)

E_t. Specifies the nominal heater or filament voltage in volts. In the case of tubes whose heater or filament is center tapped to allow series or parallel operation of the sections, the value given is for series connection.

I_t. Typical heater or filament current in milliamperes.

Max. E_b or E_{px}. Maximum plate voltage permissible in the tube. In the case of diodes and thyratrons the value is the peak inverse voltage which can be applied to the tube.

Max. I_b. Maximum plate current in milliamperes which the tube may pass.

P_p. Maximum plate dissipation of the tube in watts. In the case of twin tubes the dissipation is for one section only, e.g., the 6SN7GTB is listed at a dissipation of 5 W. The manufacturer gives this as the value for each plate, but with both units operating the total for both plates must not exceed 7.5 W. For this reason multiple tubes should be checked in the manufacturer's data before operating the tube with maximum dissipation in each section.

E_b. Typical value for the d-c plate or operating voltage in volts.

I_b. Typical d-c anode current in milliamperes for the operating voltage in the preceding column.

Gm. Typical value of grid-plate transconductance of the tube in micromhos.

μ . Typical tube amplification factor.

r_p. Typical value for plate resistance in ohms.

Capacity in: Typical value for input capacitance of the tube, i.e., between grid #1 and all other electrodes.

Capacity out: Typical value for the output capacitance of the tube, i.e., between the anode and all other electrodes.

NOTE: These capacity values are measured without an external, grounded shield.

EIA Base No. This column designates the number assigned by the EIA to the base connections of the tube. These Base Numbers will be found in the last section of the Tabulation beginning on page 126. The designation "FL" is used to indicate flexible or flying leads on the miniature or subminiature tubes. The column is left blank where no Base Number is applicable as in lighthouse and ceramic-metal tubes.

3.3. Unit Symbols

While the normally used electrical unit is printed at the top of each column, it will be noted that letter symbols are used following some numbers to indicate a change of unit.

Symbol	Column heading	Uni
K	Max E _b or E _{px}	Kilovolts.
U	Max I _b and I _b	Microamperes.
A	Max I _b and I _b	Amperes.
K	r _p	Kilohms.
M	r _p	Megohms.

The assistance of Mr. Leroy M. Allison in programming this publication is gratefully acknowledged.

4. Numerical Listing of Data on Receiving Tubes

NUMERICAL LISTING

TUBE TYPE NUMBER	CODE	KIND	TYPE	RULB	USF	TUBE CHAR	REG	K	TYPICAL FILAMENT TYPE	MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			CAPACITANCE					
										V	MA	W	E _B	I _B	G _M	M _U	R _P	PICOFARADS IN	PICOFARADS OUT	EIA BASE NO.	
DA2WA	S*	DIO	SIN	T5	REG	GAS	RC	C	REG	185	30	151	18					580	580	580	
DA3A	S	DIO	SIN	T9	REG	GAS	RA	C	REG	105	40	75	22					4AJ	4AJ	4V	
DA4G	S	TRI	SIN	ST12	TRG	GAS	SY	C	REG	225	100	225	25					580	580	580	
DB2WA	S*	DIO	SIN	T5	REG	GAS	RA	C	REG	133	30	108	18					4AJ	4AJ	4AJ	
DB3A	S	DIO	SIN	T9	REG	GAS	RA	C	REG	130	30	90	18					4R	4R	4R	
OC2	S	DIO	SIN	T5	REG	GAS	RC	C	REG	115	30	75	18					580	580	580	
OC3A	S	DIO	SIN	T9	REG	GAS	RA	C	REG	133	40	105	22					4AJ	4AJ	4V	
OD3A	S	DIO	SIN	T9	REG	GAS	RA	C	REG	185	40	150	22					4AJ	4AJ	4V	
OD4G	S	DIO	SIN	T9	REG	GAS	RA	C	REG	1K	200	300	75					4R	4R	4R	
1AU2	S	DIO	SIN	T9	REC	VAC	GE	H	1.2	200	22K	50	225	7			1.60	12D0			
1AU4	S	PND	SIN	T3X2	RFA	SCO	RA	F	1.2	40	90	2	68	1	800	2M	3.50	4.50	12FL		
1AU2	S	DIO	SIN	T9	REC	VAC	#TS	F	1.2	200	26K	50	140	7			1.80	12EL			
1AU4	S	PND	SIN	T3X2	RFA	SCO	RA	F	1.2	200	90	1	68	750U	800	2M	3.50	4.50	FL		
1AU2	S	DIO	SIN	T6	REC	VAC	RA	F	1.1	190	8K	1							9U		
1AU3	S	DIO	SIN	T9	REC	VAC	SY	F	1.2	200	30K	50	225	7						7C	
1AY2	S	DIO	SIN	T9	REC	VAC	RC	F	1.2	200	26K	50	75	7			1.40		3C		
1B3GT	S	DIO	SIN	T9	REC	VAC	GE	F	1.2	200	30K	17	35	2					9RG		
1BC2	S	DIO	SIN	T6	REC	VAC	GE	F	1.2	200	15K	45	80	7			1.00				
1B42	S	DIO	SIN	T6	REC	VAC	GE	F	1.2	200	15K	45	80	7			1.00				
1H42	S	DIO	SIN	T6	REC	VAC	NN	F	1.4	550	24K	45	100	11			1.20	9Y			
1H42	S	DIO	SIN	T6	REC	VAC	GE	F	1.4	50	200	18K	45	130	7			1.50			
1H42	S	DIO	SIN	T6	REC	VAC	#TS	F	1.4	50	90	3	250U						6BW		
1H42	S	DIO	SIN	T6	REC	VAC	AFA	F	1.4	600	135	20	1.5	68	2	600			6BW		
1H42	S	PND	DIO	T5	UHF	SCO	SY	H	1.6	600	1.5	90	10	11000	28					7DK	
1H42	S	DIO	SIN	T5	UHF	SCO	SY	H	1.6	600	1.5	90	10	11000	28					7DK	
1G3GT	S	DIO	SIN	T9	REC	VAC	RC	F	1.2	200	33K	30	25	1						3C	
1H2	S	DIO	SIN	T6	REC	VAC	GE	H	1.4	550	24K	50	10	500U						9LX	
1J3A	S	DIO	SIN	T9	REC	VAC	GE	F	1.2	200	28K	50	225	7			1.00		3C		
1K3	S	DIO	SIN	T5	REC	VAC	GE	F	1.2	200	26K	50	50	500U						3C	
1L4	S	PND	SIN	T5	RFA	SCO	RC	F	1.4	50	110	6	90	3	900					6AR	
1L6	S	PTG	SIN	T5	CON	SY	F	1.4	50	110	4	90	500U						7DC		
1M3	S	TRI	SIN	T3	IND	AM	AM	F	1.4	25	90	30U	0.4	85	170U					FL	
1R5WA	S	PND	DIO	T5	DET	VAC	RC	F	1.2	50	100	22K	40	11	90	900U					7AT
1S2A	S+	PTG	SIN	T5	REC	VAC	SRC	RC	1.4	550	100	90	68	7	1600					7AV	
1S4	S	PND	SIN	T5	PA	SRC	RC	F	1.4	100	90	11	68	7	1600						
1S5	S	DIO	PND	T5	DET	VAC	RC	F	1.4	50	90	3	68	250U						6AU	
1T4WA	S+	PND	SIN	T5	IF	SCO	RA	F	1.2	50	100	5	0.4	90	4	600K					6AR
1U4WA	S	PND	SIN	T5	VA	SCO	#TS	F	1.2	50	135	2	0.2	90	2	250U					6BW
1U5WA	S	PND	DIO	T5	AFA	SCO	#NU	F	1.4	50	90	3	68	2	600					6BW	
1U6	S	PTG	SIN	T5	CON	SY	F	1.4	25	110	4	90	600U					6.50	6.50		
1V2	S	DIO	SIN	T6	REC	VAC	RC	F	1.4	300	8K	10	25	500U				0.80	0.80	9U	
1X24	S	DIO	SIN	T6	REC	VAC	#HY	F	1.2	200	2nK	11	14K	175U				1.00	1.00	9Y	
1X28	S	DIO	SIN	T6	REC	VAC	SY	F	1.2	200	22K	45	18K	100U				1.00	1.00	9Y	

NUMERICAL LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	NUI_3	USE	TUBE CHAR	REG	TYPE	TYPICAL FILAMENT				MAXIMUM PLATE CHARACTERISTICS				TYPICAL CHARACTERISTICS				CAPACITANCE PICOFARADS IN OUT		
									V	MA	V	MA	W	MA	V	MA	IR	GM	MU	RP	OHMS	EIA BASE NO.	
2A3	DRS	TRI	SIN	ST16	PA	RCD	F	2.5	2500	300	15.0	250	60	5200	4	800	7.50	5.50	4D	7DK	1.40	12DG	
2AF4P	S	TRI	SIN	T5	UHF	SCD	SY	2.4	600	150	28	2.2	80	16	6600	15	2270					1.40	12EW
2AH2	DIN	SIN	T9	REC	VAC	SCD	GE	2.5	300	24K	80	100	7								0.19	9U	
2AS2	DIN	SIN	T9	REC	VAC	SCD	GE	2.5	330	24K	80	100	7								0.19	9U	
2AV2	DIN	SIN	T6	REC	VAC	RC	F	1.8	300	8K	11	7K	600U										
2A72	DIO	SIN	T6	REC	VAC	SY	F	2.1	275	22K	45	70	7								1.10	9Y	
2H22	DIO	SIN	L1T	REC	HIP	SCD	SY	6.3	750	300	50	100	5								0.80	9U	
2B42	DIO	SIN	T6	REC	VAC	RC	H	2.3	300	20K	80	150	9								1.40	7EG	
2BJ2	DIO	SIN	T5	VHF	SCD	GE	H	2.3	600	275	22	2.2											
2B14A	TRI	SIN	T5																				
2C51	S	TRI	TWN	T6	GEN	SRC	WE	H	6.3	300	300	18	1.5	150	8	5500	35	6300	1.00	8CJ			
2C4	S	TRI	SIN	MT4	RFA	SCD	RC	H	2.0	450	135	20	1.5	70	7	12500	68	5440	4.30	1.80	12AQ		
2CY5	S+	TET	SIN	T5	VHF	SCD	WH	H	2.4	600	180	50	2.0	125	10	8000	100K		4.50	3.00	17EW		
2D21k	PND	SIN	T6	PA	RCD	GE	F	2.5	345	250	50	4.5	120	37	6900							7BN	
2DF4	S+	TRI	SIN	MT4	RFA	SCD	RC	H	2.1	450	300	15	1.0	110	7	9000	63	7000	4.30	1.80	9JL		
2DS4	S+	TRI	SIN	MT4	OSC	SCD	RC	H	2.1	450	125	15	1.0	75	10	11500	35	3100	4.40	1.90	12EA		
2DV4	+D	DRS	TRI	SIN	T5	UHF	RC	WH	H	2.4	600	150	20	2.2	85	10	11000	30	270U	3.70	0.38	7DK	
2DY4A	S+	TRI	SIN	T5	UHF	SCD	SY	H	2.0	450	135	20	1.5	90	10	11000	28		3.50	1.15	7DK		
2D74	S+	TRI	SIN	T5	UHF	SCD	SY	H	2.4	600	135	20	2.3	80	15	6700	14	2000	2.20	1.30	7DK		
2E24	DRS	REA	SIN	T9	PA	RCD	RC	F	6.3	650	500	75	13.5	250	40	3200					9.50	7.00	7CL
2E26	S	REA	SIN	T9	PA	RC	RC	F	6.3	800	600	75	17.0	250	42	3500					12.50	7.00	7CK
2E30	DRS	REA	SIN	T5	PA	RC	RC	F	6.0	650	250	50	10.0	250	44	3700					9.50	6.60	7CQ
2EG4	S	TRI	SIN	MT4	VHF	SRC	RC	H	1.7	600	135	15	1.5	110	6	9000	63	7000	4.30	1.80	12AQ		
2Eh5	DIO	TWN	T5	DET	VAC	#PL	H	2.1	450	5											3.70	7FL	
2E95	S+	TRI	SIN	T5	VHF	SRC	RE	H	2.1	600	250	20	2.2	200	10	10500	80		4.40	4.00	7FP		
2ESS	DRS	TRI	SIN	T5	AF4A	SCD	#PL	H	2.4	600	250	22	2.2	200	10	9000	75	8000	3.20	3.20	7FP		
2EV5	S	TRI	TET	SIN	T5	VHF	SCD	WH	H	2.4	600	275	20	3.2	250	12	8800		1500K	4.50	2.90	7EW	
2FH5	S	TRI	SIN	T5	VHF	SCD	#PL	H	2.4	600	150	22	2.2	135	11	9000	50	5600	3.20	3.20	7FP		
2FK5	DRS	REA	SIN	T5	RFA	SCD	SY	H	2.3	600	200	22	2.3	135	12	15000	75	5000	4.40	2.60	7GM		
2FO5A	DRS	TRI	SIN	T5	VHF	SCD	SY	H	2.3	600	200	22	2.5	135	9	12000	74	6300			5.00	3.50	7FP
2FS5	REA	SIN	T5	RF4	AM	SCD	GE	H	2.4	600	300	20	3.2	275	10	10000		240K			4.80	4.00	7GA
2FY5	S	TRI	SIN	T5	VHF	RCO	AM	H	2.4	600	200	20	2.2	135	11	13000	70		4.75	3.30	7FP		
2GK5	S	TRI	SIN	T5	VHF	SCD	SY	H	2.3	600	200	22	2.5	135	12	15000	78		5.00	3.50	7FP		
2GU5	S	TRI	SIN	T5	VHF	RFA	SCD	H	2.4	600	300	20	3.0	275	10	15500	165K	7000	3.20	7GA			
2GWD	DRS	TRI	SIN	T5	VHF	SCD	SY	H	2.4	600	200	25	2.5	135	12	15000	70	5800	5.50	4.00	7GK		
2HA5	S	TRI	SIN	T5	RF4	AM	SCD	SY	H	2.2	600	220	22	2.6	135	12	14500	72				7GM	
2HK5	S	TRI	SIN	T5	VHF	RCO	AM	H	2.3	600	200	20	2.3	135	11	13000	75	5000	4.40	2.60	7GM		
2HY5	S	TRI	SIN	T5	VHF	RFA	SCD	WH	H	2.4	600	200	21	2.6	120	15	18000	82		4.50	3.00	7GM	
2HQ5	S	TRI	SIN	T5	VHF	SCD	SY	H	2.4	600	200	22	2.5	135	12	15000	78	5400	5.00	3.50	7GM		
2T4	DRS	TRI	SIN	T5	OSC	SRC	SY	H	2.4	600	200	30	3.5	80	18	7000	13	1860	2.90	0.20	7DK		

NUMERICAL LISTING - CONTINUED

TYPE NOMFR	CODE	KIND	TYPE	RULB	USF	TURE CHAR	REG TYPE	K TYPE	TYPICAL FILAMENT			MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			EIA BASE NO.
									V	MA	W	E _B V	I _B MA	MU	G _M	U _{MH}	R _P OHMS	IN
3A1?	S	DIO	SIN	T6	REC	VAC	RC	H	3.2	220	18K	80	25	2			1.00	9DT
3A2?	S	DIO	SIN	T9	REC	VAC	RC	H	3.2	220	30K	80	35	2			1.50	8EZ
3A3	S	DIO	SIN	T9	REC	VAC	RC	H	3.2	220	30K	100	135	2			1.50	8EZ
3A4	S	PND	SIN	T5	PA	RCD	RC	F	2.8	100	150	18	2.0	1900	15	90K	4.80	7BB
3A5	S	TRI	TWN	T5	VA	SRC	QC	F	2.8	110	135	5	0.5	1600	15	8300	0.90	7BC
3AFAF	S	TRI	SIN	T5	OSC	SRC	SY	H	3.2	450	150	28	2.2	100	20	2130	2.20	0.45
3AJ8	S	PTG	T6	GEN	DET	VAC	RE	H	3.6	600	550	6	0.8	100	14	3700	22	2.60
3AJd	S	PTG	TRI	T6	CON	VAC	RE	H	3.6	600	550	12	1.7	200	4	9	4.80	2.10
3AL5	S	DIO	TWN	T7	DET	HIP	GE	H	3.2	600	330	54	1.7	117	9	1M	7.90	9CA
3AT2	S	DIC	SIN	T9	REC	VAC	RA	H	3.2	220	30K	88	2				2.50	6BT
3AU6	S	PND	SIN	T5	IFA	SCO	GE	H	3.2	600	300	30	0.5	250	1	4500	2M	5.00
3AV6	S	DWD	TRI	T5	DET	VAC	SY	H	3.2	600	300	110	0.5	250	1	1600	100	2.20
3AW2	S	DIC	SIN	T9	REC	VAC	WE	F	2.5	165	150	25	3.0	150	25	1900	4.60	7BT
3AW3	S	DIN	SIN	T9	REC	RFA	RFA	H	3.2	600	300	300	2.0	200	140	1M	5.50	12HA
3B2	S	DIO	SIN	T12	REC	VAC	RC	H	3.2	220	35K	80	30	1	1600	62K	1.60	1.50
3B2A	S	REA	SIN	T5	PA	RCD	*HY	F	5.0	3000	20K	300	0.5	250	1	1600	100	2.20
3B24WB	*	DIO	SIN	T12	REC	VAC	WE	F	5.0	3000	20K	300	0.5	250	1	1600	100	2.20
3B46	S	PND	SIN	T5	RFA	RFA	GE	H	3.2	600	300	300	2.0	250	140	4400	800K	6.50
3B55	S	PTG	SIN	T5	CON	GE	SY	H	3.2	600	300	14	1.0	250	3	1M	8.00	7BD
3HF6	S	DIC	SIN	T9	REC	VAC	SY	H	3.6	225	35K	115	1.4	250	7	150	1.50	12GQ
3HF2	S	DIO	SIN	T9	REC	VAC	GE	H	3.2	300	27K	88	1.4	250	7	150	1.50	12FV
3HN2	S	DIO	SIN	T9	VHF	VHF	SCD	H	3.2	450	275	22	2.2	150	9	6800	43	3.20
3HN4	S	TRI	SIN	T5	VHF	DIS	GE	H	3.2	600	300	12	1.2	440U	121	4400	4.20	7EG
3Bv6	S	PND	TWN	T6	VHF	SCO	GC	H	3.2	600	300	12	1.2	440U	121	4400	4.20	7DF
3BU8A	S	PND	SIN	T6	GEN	SCO	RE	H	3.4	600	300	12	1.2	100	2	1500	6.00	3.00
3BX6	S	PTG	SIN	T5	GA	SCO	RE	H	3.4	600	550	500	2.5	250	10	6800	650K	7.50
3BY6	S	PND	SIN	T6	PA	SRC	GE	H	3.4	600	300	2.0	2.5	250	6	1900	5.40	3.30
3BY7	S	PND	SIN	T5	IFA	RCD	SY	H	3.2	600	330	330	2.3	125	14	6000	600K	7.60
3B76	S	TRI	SIN	ST16	THY	GAS	GE	F	2.5	7000	1K	6000	600	6000	2000	260K	7.00	2.00
3C23	S	DIO	SIN	T9	REC	VAC	RC	H	3.6	225	30K	100	2.3	200	1	6200	600K	7CM
3CA3	S	PND	SIN	T5	GA	SCO	GE	H	3.2	600	300	14	1.0	100	11	6200	600K	2.00
3CH6	S	PTG	SIN	T5	IFA	SCO	WH	H	3.2	600	300	20	2.0	125	10	8000	6.50	1.90
3CE5	S	PND	SIN	T5	VHF	RFA	*PL	H	2.9	450	600	300	2.0	200	11	7600	300K	2.00
3CF6	S	PND	SIN	T5	VHF	SCO	RC	H	3.2	600	300	2.0	2.0	200	10	6200	600K	7CM
3CN3	S	DIC	SIN	T9	REC	VAC	GE	H	3.2	480	30K	110	60	7	1M	1100	1M	1.60
3CS6	S	PTG	SIN	T5	GA	SCO	GE	H	3.2	600	300	14	1.0	100	1	6200	600K	8MN
3CY5	S	TEST	SIN	T5	OSC	VHF	WH	H	2.9	450	180	20	2.0	125	10	8000	150K	7.50
3D24WB	*	PND	SIN	ST14	OSC	RCD	*HY	H	12.6	850	4K	15.0	600	30	350	5500	600K	3.00
3D64	S	DIN	TWN	T12	REC	VAC	GE	F	3.3	3800	1K	1200	275	350			6.50	5DE
3DK6	S	PND	SIN	T5	IFA	SCO	WH	H	3.2	600	330	14	1.0	100	1	9800	350K	1.90
3DT6A	S	TRI	SIN	T5	DET	SCO	RC	H	3.2	600	330	14	1.7	150	1	800	150K	7EN
3DY4	S	TRI	SIN	T5	UHF	SCO	WH	H	3.2	450	150	20	2.2	85	10	11000	30	3.70
3DY4A	S	TRI	SIN	T5	UHF	SCO	SY	H	2.9	300	135	20	1.5	90	10	11000	28	3.50
3DZ4	S	TRI	SIN	T5	UHF	SCO	SY	H	3.2	450	135	20	2.3	80	15	6700	14	2.20

NUMERICAL LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND TYPE	BULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT CHARACTERISTICS				MAXIMUM PLATE CHARACTERISTICS				TYPICAL CHARACTERISTICS				CAPACITANCE PICTAFARADS IN OUT		EIA BASE NO.	
								V	MA	H	V	MA	H	V	MA	W	EB	TB	GM	MU	RP	OHMS	PICTAFARADS IN OUT
3EA5	S	TET	SIN	T5	VHF	SCO	#PL	H	3.0	450	250	20	3.2	250	10	8000	12500	1500K	3.80	2.30	7EW	7EW	
3EH7	S	PND	SIN	T6	IF A	RE	RE	H	3.4	600	500	2.5	2.5	200	10	10500	15000	500X	350K	4.40	4.00	9AQ	9AQ
3EJ7	S	TRI	SIN	T6	IF A	SRC	RE	H	3.4	600	550	2.5	2.5	200	10	9000	75	8000	3.20	3.20	7FP	7FP	
3ERS	S	TRI	SIN	T5	IF A	SCO	#PL	H	3.0	450	250	20	2.2	200	10	9000	75	8000	3.20	3.20	7FP	7FP	
3EV5	S	OBS	TET	SIN	T5	VHF	SCO	WH	2.9	450	275	20	3.2	250	12	8800	12000	150K	4.50	2.90	7EW	7EW	
3FH5	S	TRI	SIN	T5	VHF	SCO	#PL	H	3.0	450	150	22	2.2	135	11	9000	50	5600	3.20	3.20	7FP	7FP	
3FK5	S	TRI	SIN	T5	RF A	SCO	SY	H	2.9	450	200	22	2.3	135	12	15000	75	5000	4.40	2.60	7GM	7GM	
3FO5A	S	OBS	TRI	SIN	T5	VHF	SCO	GE	2.9	450	300	20	3.2	275	10	10000	74	6300	5.00	3.50	7FP	7FP	
3FS5	S	BEA	SIN	T5	RF A	SCO	GE	H	2.9	450	300	20	3.2	275	10	10000	74	240K	4.80	2.00	7GA	7GA	
3FW7	S	TRI	DIS	T3	MIX	SCO	#O	H	3.5	600	150	20	90	9	7	6000	36	6000	2.60	1.80	8LM	8LM	
3FW7	S	TRI	DIS	T3	OSC	SRC	TO	H	3.5	600	150	20	90	9	9	9500	36	3800	3.00	1.40	8LM	8LM	
3FY5	S	TRI	SIN	T5	VHF	RCO	AM	H	3.1	450	200	20	2.2	135	11	13000	70	3800	3.10	1.05	8LK	8LK	
3GK5	S	TRI	SIN	T5	VHF	SCO	SY	H	2.8	450	200	22	2.5	135	12	15000	78	5400	5.00	3.50	7FP	7FP	
3GS8	S	PND	TWN	T6		SCO	SY	H	3.2	600	300	12	1.1	100	8	1200	8	1200	6.00	3.20	9FG	9FG	
3GU5	S	BEA	SIN	T5	RF A	SCO	GE	H	3.1	450	300	20	3.0	275	10	15500	105K	165K	7.00	3.20	7GA	7GA	
3GW5	S	OBS	TRI	SIN	T5	VHF	SCO	SY	3.0	450	200	25	2.5	135	12	15000	70	5800	5.50	4.00	7GM	7GM	
3HA5	S	TRI	SIN	T5	RF A	SCO	AM	H	2.7	450	220	22	2.6	135	12	14500	72	5400	5.00	4.00	7GM	7GM	
3HK5	S	TRI	SIN	T5	VHF	SCO	SY	H	2.9	450	200	22	2.3	135	12	15000	75	5000	4.40	2.60	7GM	7GM	
3HM5	S	PND	SIN	T5		SCO	SY	H	2.9	450	200	20	2.6	120	15	18000	82	4.50	3.00	7GM	7GM		
3HM6	S	PND	SIN	T6	IF A	SCO	WH	H	3.2	600	250	25	2.5	125	13	15000	125	155K	8.70	2.10	9PM	9PM	
3H05	S	TRI	SIN	T5	VHF	SCO	SC	H	3.0	450	200	22	2.5	135	12	15000	78	5400	5.00	3.50	7GM	7GM	
3HS8	S	PND	TWN	T6		SCO	GE	H	3.2	300	300	12	1.1	100	2	1100	2	1100	143K	9PH	9PH		
3HT6	S	PND	SIN	T6	IF A	SRC	WH	H	3.2	600	250	25	2.5	125	15	14000	125	14000	143K	143K	9PH	9PH	
3JC6	S	PND	SIN	T5	VA	SRC	WH	H	2.9	450	200	20	2.6	120	15	18000	82	4.50	3.00	7GM	7GM		
3JC6A	S	PND	SIN	T6	IF A	SCO	RC	H	3.2	600	250	25	2.5	125	13	15000	125	155K	8.70	2.10	9PM	9PM	
3JD6	S	PND	SIN	T6	IF A	SCO	RC	H	3.5	600	330	30	3.1	125	15	16000	180K	180K	8.50	3.00	9PH	9PH	
3KF8	S	PND	TWN	T6	VHF	SCO	RA	H	3.2	600	300	12	2.5	125	15	14000	160K	160K	8.20	3.00	9PH	9PH	
3KT6	S	PND	SIN	T6	IF A	SRC	RC	H	3.5	600	330	12	3.1	100	3	1800	17	18000	160K	9.50	3.00	9FG	9FG
3LF4	S	ORS	BEA	SIN	T9	PA	SRC	SY	F	2.8	50	110	12	110	8	2000	8	2000	110K	688	688		
3Q4	S	PND	SIN	T5	PA	SRC	RC	SY	F	2.8	50	90	12	90	8	2000	8	2000	120K	78A	78A		
3Q5G	S	BEA	SIN	T9	PA	SRC	RC	SY	F	2.8	50	110	12	90	10	2200	90K	90K	8.00	6.50	7AP	7AP	
3S4	S	PND	SIN	T5	PA	SRC	RC	RC	F	2.8	50	90	12	68	6	1400	1400	100K	100K	78A	78A		
3V4WA	S+	PND	SIN	T5	PA	SRC	#NU	F	1.2	100	90	8	250	11	4400	120K	5.50	3.80	68X	68X			
4AU6	S	PND	SIN	T5	IF A	SCO	RC	SY	F	2.8	450	300	3.0	250	8	4500	8	4500	2M	5.50	5.00	7BK	7BK
4AV6	S	DWD	TRI	T5	DET	VAC	RC	SY	F	4.2	450	300	2.2	250	1	1600	1n0	62K	2.20	0.80	7RT	7RT	
4AV6	S	TRI	DWD	T5	VA	SCO	RC	RC	F	4.2	450	330	0.6	250	3K	1250	1250	1250	1250	4AT	4AT		
4B32	S*	DIO	SIN	T18	REC	GAS	CH	F	5.0	7250	10K	5000	12	1600	1n0	62K	10K	10K	10K	7DC	7DC		
4BA6	S	PND	SIN	T5	RF A	RCA	GE	H	4.2	450	300	3.0	250	11	4400	1M	5.50	5.00	7BK	7BK			
4BC5	S	PND	SIN	T5	RF A	SRC	GE	H	4.2	450	300	2.0	250	8	5700	8	8000K	6.50	5.00	7BD	7BD		
4BC8	S	TRI	TWN	T6	CA	SRC	SY	H	4.2	600	250	22	2.2	150	10	6200	35	5300	2.60	1.30	9AJ	9AJ	
4BL8	S	TRI	PND	T6	CON	RE	RE	H	4.6	600	550	1.5	100	14	5000	20	4000K	2.50	1.80	9DC	9DC		
4BL8	S	PND	TRI	T6	CON	RE	RE	H	4.6	600	550	1.7	100	10	6200	121	4400	5.20	3.40	9DC	9DC		
4BN6	S	GTB	SIN	T5	DIS	GE	H	H	4.2	450	300	12	121	121	4400	4400	4400	4.20	4.20	7DF	7DF		

NUMERICAL LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	RULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT			MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			CAPACITANCE			
									V	MA	W	V	MA	W	E _B	I _A	G _M	R _P	PICOFARADS IN	PICOFARADS OUT	EIA BASE NO.
4B07A	S	TRI	TWN	T6	CA	SCO	SY	H	4.12	600	250	20	2.0	150	9	6400	38	5900	2.60	1.20	9AJ
4BSB	S	TRI	TWN	T6	CA	SCO	WH	H	4.12	600	150	20	2.0	150	10	7200	36	5000	2.60	1.40	9AJ
4BU8	S	PND	TWN	T6	VHF	SCO	GE	H	4.12	450	300	12	1.1	100	2	1500	6.00	6.00	3.00	9FG	
4BX8	S	OBS	TRI	TWN	T6	CA	SCO	WH	4.15	600	150	20	2.0	65	9	6700	25	2.40	1.25	7JC	
4BZ6	S	PND	SIN	T5	IFA	RCA	GE	H	4.12	450	330	20	2.3	125	14	8000	260K	7.00	2.00	7CH	
4BZ7	S	TRI	TWN	T6	CA	SCO	SY	H	4.12	600	250	20	2.0	150	10	6800	36	5300	2.60	1.20	9AJ
4CB6	S	PND	SIN	T5	IFA	SCO	GE	H	4.12	450	300	14	1.0	100	1	6200	6.50	2.00	7CM		
4CS6	S	PTG	SIN	T5	GA	SCO	SY	H	4.12	450	300	14	1.0	100	1	1100	1M	750K	7.00	7CH	
4CX7	S	OBS	TRI	TWN	T6	CA	SRC	SY	H	4.12	600	250	20	2.0	150	9	6400	39	2.40	1.30	9FC
4CY5	S	TET	SIN	T5	VHF	SCO	WH	H	4.15	300	180	20	2.0	125	10	8000	100K	4.50	3.00	7EW	
4DE6	S	PND	SIN	T5	IFA	SRC	SY	H	4.12	450	330	20	2.3	125	16	8000	250K	6.50	2.00	7CM	
4DK6	S	PND	SIN	T5	IFA	SCO	WH	H	4.12	450	330	20	2.3	125	12	9800	350K	6.30	1.90	7CH	
4DT6A	S	PND	SIN	T5	DET	SCO	RC	H	4.12	450	330	20	1.7	150	1	800	150K	5.80	7EN		
4EH7	S	PND	SIN	T6	IFA	RE	H	H	4.14	450	500	25	2.5	12500	500K	350K	10.00	3.00	9AG		
4EJ7	S	PND	SIN	T6	IFA	RE	H	H	4.14	450	550	25	2.5	200	10	15000	350K	10.00	3.00	9AG	
4ES8	S	TRI	TWN	T6	CA	SRC	RE	H	4.15	600	130	22	1.8	90	15	12500	2500	10.00	2.40	9AJ	
4EW4	S	PND	SIN	T5	IFA	SCO	GE	H	4.12	600	330	20	3.1	125	11	14000	200K	4.40	2.60	7GM	
4FK5	S	TRI	SIN	T5	RFA	SCO	SY	H	4.0	300	200	22	2.3	135	12	15000	75	5000	2.40	1.10	9MP
4FS7	S	TRI	PND	T5	RFA	SCO	MU	H	4.16	600	125	15	1.5	100	14	5500	17	6.00	3.50	9MP	
4FS7	S	PND	TRI	T5	CON	SCO	MU	H	4.16	600	250	18	2.0	170	10	12000	12000	12000	10.00	3.50	9MP
4GJ7	S	TRI	PND	T6	OSC	AM	AM	H	4.1	600	140	22	1.8	100	15	9000	20	350K	6.20	3.50	9GA
4GJ7	S	PND	TRI	T6	MIX	SCO	SY	H	4.1	600	275	20	2.4	170	10	11000	78	5400	5.00	3.50	9FP
4GK5	S	TRI	SIN	T5	VHF	SCO	RC	H	4.0	300	200	22	2.5	135	12	15000	78	200K	10.00	2.40	7CM
4GM6	S	PND	SIN	T5	IFA	SRC	RC	H	4.12	600	330	15	3.1	13000	14	5500	17	6.00	3.50	9GF	
4GS7	S	TRI	PND	T6	OSC	SCO	MT	H	4.0	600	125	15	1.5	100	14	5500	17	6.00	3.50	9GF	
4GS7	S	PND	TRI	T6	RFA	SCO	MT	H	4.0	600	250	18	2.0	170	10	12000	350K	6.00	3.20	9GF	
4GS8	S	TRI	SIN	T5	VHF	SCO	SY	H	4.12	450	300	12	1.1	100	8	12000	5800	5.50	4.00	7GF	
4GW5	S	OBS	TRI	SIN	T5	OSC	SY	H	4.12	300	200	25	2.5	135	12	15000	8500	4700	2.30	1.90	9GA
4GX7	S	PND	TRI	T6	MIX	SCO	WH	H	4.12	600	275	20	2.2	125	8	11000	40	200K	5.40	3.30	9GA
4GZ7	S	PND	SIN	T5	AFA	#TS	H	H	4.0	600	300	22	4.8	250	16	8400	150K	8.50	3.80	7CV	
4H57	S	TRI	SIN	T5	GEN	SCO	AM	H	3.9	300	220	22	2.6	135	13	14500	72	1600	100	62K	7GM
4HA5	S	TRI	DIS	T9	GEN	SCO	GE	H	4.12	600	330	20	0.3	250	1	12000	10	12000	1.70	1.80	12FG
4HA7	S	TRI	DIS	T9	GEN	RCA	GE	H	4.12	600	330	20	2.8	250	10	2200	17	7700	1.90	1.90	12FR
4HC7	S	TRI	DIS	T9	GEN	SCO	#TS	H	4.12	600	330	3.0	150	18	4400	23	5200	2.00	0.70	7GM	
4HC7	S	TRI	DIS	T9	GA	SCO	#TS	H	4.12	600	330	1.2	150	1	1900	100	53K	1.90	0.56	12FR	
4HG8	S	TRI	PND	T6	OSC	SCO	TO	H	4.15	600	125	15	1.5	100	14	6000	17	350K	6.00	3.60	9MP
4HG8	S	PND	TRI	T6	CON	SCO	TO	H	4.15	600	250	18	2.0	150	10	12000	75	5000	4.40	2.60	7GM
4HK5	S	TRI	SIN	T5	VHF	SCO	SY	H	4.0	300	200	22	2.3	135	12	15000	82	4.50	3.00	7GM	
4HM5	S	TRI	SIN	T5	VA	SCO	SRC	H	4.0	300	200	20	2.6	120	15	18000	82	15	14000	143K	
4HM6	S	PND	SIN	T6	IFA	SCO	WH	H	4.12	450	250	25	2.5	125	13	15000	78	5400	5.00	3.50	9FG
4HS8	S	PND	TWN	T6	IFA	SCO	GE	H	4.12	450	300	22	1.1	100	2	1100	12	15000	180K	8.50	9PM
4HT6	S	PND	SIN	T6	IFA	SCO	WH	H	4.12	450	250	25	2.5	125	15	14000	125	14000	180K	8.50	9PM
4JC6A	S	PND	SIN	T6	IFA	SCO	RC	H	4.15	450	330	3.1	125	125	125	16000	125	16000	180K	8.50	9PM

NUMERICAL LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND TYPE	BULB	USE	TURE CHAR	REG TYPE	K TYPICAL FILAMENT V	MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			CAPACITANCE							
								V	MA	W	V	MA	W	E _R V	I _B MA	G _M UMHO	R _P OHMS	PICOFARADS IN	PICOFARADS OUT		
4JD6	S	PND	SIN	T6	IFA	SCO	RC	H	4.5	450	330	2.5	125	15	14000	160K	8.20	3.00	9PM		
4JH6	S	PND	SIN	T5	IFA	SRC	SY	H	4.2	450	300	2.3	125	14	8000	260K	7.00	2.00	7CM		
4JK6	S	PND	SIN	T5	IFA	SCO	SY	H	3.7	600	275	2.5	125	12	18000	150K	9.50	2.70	7CM		
4JL6	S	PND	SIN	T5	IFA	SCO	SY	H	3.7	600	275	2.5	125	12	15500	120K	9.30	2.70	7CM		
4KE8	S	TRI	PND	T6	OSC	SRC	RC	H	4.5	600	280	2.0	13	8000	40	50000	2.40	2.00	9DC		
4KE8	S	PND	TRI	T6	MIX	SCO	RC	H	4.5	600	280	2.0	100	3	12000	125K	5.00	3.40	9DC		
4KF8	S	PND	TWN	T6	VHF	SCO	RA	H	4.2	600	220	2.2	110	16	16000	45	2800	6.00	3.00	9GF	
4KN8	S	TRI	TWN	T6	VHF	SCO	RA	H	4.2	600	220	2.2	110	17	18000	160K	9.50	3.00	9AJ		
4KT6	S	PND	SIN	T6	IFA	SRC	RC	H	4.5	430	330	3.1	170	17	18000	40	5000	2.40	2.00	9PH	
4LJ8	S	TRI	PND	T6	OSC	SRC	SY	H	4.3	600	288	2.0	125	13	8000	40	5000	2.40	2.00	9GF	
4LJ8	S	PND	TRI	T6	MIX	SCO	SY	H	4.3	600	280	2.0	125	12	13000	125K	5.50	3.40	9GF		
5AM8	D10	PND	T6	DET	DET	HIP	SY	H	4.7	600	300	2.8	200	12	7000	12	6000	6.00	2.60	9CY	
5AM8	D10	PND	T6	IFA	GEN	RCD	SY	H	4.7	600	300	2.6	200	13	3300	19	5750	2.00	0.27	9DA	
5AN8	S	TRI	PND	T6	GEN	SRC	SY	H	4.7	600	300	2.0	200	10	6200	300K	7.00	2.30	9DA		
5AQ5	S	PND	TRI	T6	PA	RCD	GE	H	4.7	600	250	12.0	250	47	4100	52K	8.00	8.50	7BZ		
5AR4	D10	TWN	T9	REC	VAC	GE	H	5.0	1900	2K	825	450	5	275					5DA		
5AS4A	S	D10	TWN	ST16	REC	VAC	RC	F	5.0	3000	2K	1000	450	5	275					5T	
5AS8	S	D10	PND	T6	DET	HIP	RC	H	4.7	600	330	50	200	10	6200	300K	7.00	2.40	9DS		
5AS8	S	PND	D10	T6	VHF	SRC	RC	H	4.7	600	300	2.5	200	550	600					5L	
5AT4A	ORS	D10	TWN	ST16	REC	VAC	*CH	H	5.0	4250	2K	2000	400	325							
5AT8	S	TRI	PND	T6	OSC	SRC	RC	H	4.7	600	250	1.5	100	8	5800	40	6900	2.00	0.50	9DW	
5AT8	S	PND	TRI	T6	MIX	SRC	RC	H	4.7	600	250	2.0	250	8	4600	750K	4.50	0.90	9DW		
5AU4	S	D10	TWN	T12	REC	VAC	GE	F	5.0	3750	1K	1075	400	200	13	3300	19	5750	2.00	0.27	5T
5AV8	S	PND	TRI	T6	GEN	RCD	SY	H	4.7	600	300	2.5	200	10	6200	300K	7.00	2.30	9DZ		
5AV8	S	D10	TWN	T6	GEN	SRC	SY	H	4.7	600	300	2.0	200	10					9DZ		
5AZ3	ORS	D10	TWN	T12	REC	VAC	*HY	H	5.0	3000	2K	1000	450	275					12BR		
5AZ4	ORS	D10	TWN	T9	REC	VAC	SY	F	5.0	2000	1K	375	500	125					5T		
5B8	S	TRI	PND	T6	GEN	RCD	SY	H	4.7	600	300	2.5	200	13	3300	19	5750	1.90	1.40	9EC	
5B8	S	PND	TRI	T6	GEN	SRC	SY	H	4.7	600	300	2.0	200	10	6200	300K	6.00	2.60	9EC		
5BC3A	S	D10	TWN	T12	REC	VAC	RC	F	5.0	3000	2K	1000	1K					9NT			
5BE8	OBS	TRI	PND	T6	OSC	SRC	SY	H	4.7	600	300	2.5	150	18	8500	40	5000	2.80	1.50	9EG	
5BE8	OBS	TRI	PND	T6	MIX	SRC	SY	H	4.7	600	300	2.8	250	10	5200	400K	4.40	2.60	9EG		
5BK7A	S	TRI	TWN	T6	CA	SRC	GE	H	4.7	600	300	2.7	150	18	9300	43	4600	3.00	1.00	9AJ	
5BQ7A	S	TRI	TWN	T6	CA	SRC	GE	H	5.6	450	300	20	20	150	9	6400	38	5900	2.60	1.20	9AJ
5BR8A	S	TRI	PND	T6	OSC	SRC	*TS	H	4.7	600	300	2.7	150	18	8500	40	5000	2.00	0.50	9FA	
5BR8A	S	PND	TRI	T6	MIX	SRC	*TS	H	4.7	600	300	2.8	250	10	5200	400K	4.00	2.60	9FA		
5BS8	OBS	TRI	TWN	T6	CA	SRC	WH	H	5.6	450	150	20	2.0	150	10	7200	36	5000	2.60	1.40	9AJ
5BT8	OBS	DWD	PND	T6	DET	VAC	WH	H	4.7	600	300	1	1	1					9FE		
5BT8	OBS	PND	DWD	T6	IFA	SRC	WH	H	4.7	600	300	2.0	200	10	6200	300K	7.00	2.30	9FE		
5BW8	PND	TWD	PND	T6	DET	VAC	GE	H	4.7	600	5							9HK			

NUMERICAL LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USE	TUBE CHAR	REG TYPE	K	TYPICAL FILAMENT V			MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			CAPACITANCE					
									V	MA	W	V	MA	W	E	V	IB	GM	MU	RP	PICOFARADS IN OUT	EIA BASE NO.	
5BW6	PND	DWD	T6	IFA	SRC	GE	H	4.7	600	330	3.0	250	10	5200	4.80	250K	4.80	2.60	94K				
5CG8	S	TRI	T6	OSC	SRC	RC	H	4.7	600	250	1.5	100	8	5800	40	6900	4.80	0.90	9GF				
5CG8	S	PND	TRI	T6	MIX	SRC	RC	4.7	600	250	2.0	250	8	4600	40	750K	4.80	0.90	9GF				
5CL8A	S	TRI	TET	T6	OSC	SRC	GE	4.7	600	330	2.5	125	14	8000	40	5000	2.80	1.50	9FX				
5CL8A	S	TEF	TRI	T6	MIX	SRC	GE	4.7	600	330	3.0	125	12	6500	40	200K	5.00	2.00	9FX				
5CM6	S	BEA	SIN	T6	PA	RCO	SY	4.7	600	315	12.0	250	47	4100	50K	50K	8.00	8.50	9CK				
5CM8	S	TRI	PND	T6	GEN	SCO	SY	4.7	600	300	1.0	250	2	2000	100	50K	1.60	0.22	9FZ				
5CM8	S	PND	TRI	T6	GEN	SRC	SY	4.7	600	300	2.0	250	10	6200	10	600K	6.00	2.60	9FZ				
5CQ8	S	TRI	TEJ	T6	OSC	SCO	RC	4.7	600	300	2.7	125	15	8000	40	5000	4.00	1.50	9GE				
5CQ8	S	TEF	TRI	T6	MIX	SRC	RC	4.7	600	300	2.8	125	12	5800	40	140K	12	5.00	9GE				
5CU4	OBS	DIO	TWN	T12	REC	HIP	RA	5.0	3300	600	425	260	385	4100	48	4800	53	73K	6.00	6.00	8KD		
5CZ5	S	BEA	SIN	T6	PA	RCO	RC	4.7	600	350	12.0	250	48	4800	53	12K	12K	2.40	1.40	9EG			
5DH8	S	PND	TRI	T6	GEN	SRC	GE	5.2	600	300	2.0	250	14	4400	40	8600	150K	6.50	2.20	9EG			
5DJ4	S	DIO	TWN	T12	REC	VAC	F	5.0	3000	2K	1000	550	275							8KS			
5DN4	S	DIO	TWN	T12	REC	VAC	F	5.0	3300	1K	1300	425	350	150	18	8500	40	5000	3.00	3.0	8KS		
5EA8	S	TRI	PND	T6	OSC	SRC	GE	4.7	600	330	3.0	125	12	6400	40	80K	5.00	5.00	9AE				
5EA8	S	PND	TRI	T6	MIX	SRC	GE	4.7	600	330	3.1	125	14	7500	40	2.80	2.80	1.70	9AE				
5EH8	OBS	TRI	PND	T6	OSC	SRC	SY	4.7	600	300	2.5	125	12	6000	40	170K	4.80	2.40	9JG				
5EH8	OBS	PND	TRI	T6	MIX	SRC	SY	4.7	600	300	2.8	125	12	6000	40	170K	4.80	2.40	9JG				
5ES8	S	TRI	TWN	T6	CA	SRC	RE	5.6	450	130	22	1.8	90	15	12500	2500	2500	2500	2500	9AJ			
5EU8	S	TRI	PND	T6	OSC	SRC	RA	4.7	600	330	3.0	150	18	8500	40	5000	3.00	1.60	9JF				
5EU8	S	PND	TRI	T6	MIX	SRC	RA	4.7	600	330	3.1	125	12	6400	40	80K	5.00	5.00	9JF				
5EW6	S	PND	SIN	T5	IF	SRC	RC	5.6	450	330	3.1	125	11	14000	40	200K	10.00	2.40	7CH				
5FG7	S	TRI	PND	T6	OSC	SRC	GE	4.7	600	330	2.5	125	13	7500	43	5700	3.00	1.30	9GF				
5FG7	S	PND	TRI	T6	MIX	SRC	GE	4.7	600	330	3.0	125	11	6000	40	180K	5.00	2.40	9GF				
5FV8	S	TRI	PND	T6	VDO	SRC	SY	4.7	600	330	70	2.0	125	14	8000	40	5000	2.80	1.50	9FA			
5FV8	S	PND	TRI	T6	IF	SRC	SY	4.7	600	330	2.3	125	12	6500	46	200K	5.00	2.00	9FA				
5GH8	S	TRI	PND	T6	VA	SRC	GE	4.7	600	330	2.5	125	14	8500	46	5400	3.40	0.30	9AE				
5GH8	S	PND	TRI	T6	OSC	SRC	GE	4.7	600	350	2.0	125	12	7500	10	12000	17	350K	5.50	2.60	9GF		
5GJ7	TRI	PND	T6	OSC	AM	AM	H	5.5	450	140	22	1.8	100	15	9000	20	350K	6.20	3.50	90A			
5GJ7	TRI	PND	TRI	T6	MIX	SRC	RC	5.5	450	330	3.1	125	14	13000	10	200K	10.00	2.40	7CH				
5GM6	TRI	PND	SIN	T5	IF	SRC	MT	5.4	450	330	3.1	125	14	11000	10	350K	6.20	3.50	90A				
5GS7	TRI	PND	T6	OSC	MT	SRC	GE	5.4	450	125	15	1.5	100	14	5500	17	350K	6.20	3.50	90A			
5GS7	TRI	PND	TRI	T6	RFA	SRC	GE	5.4	450	250	18	2.0	170	10	12000	17	7700	1.90	1.90	12FQ			
5GX6	PND	SIN	T5	#TS	SCO	WH	H	4.7	600	300	1.7	150	4	125	12	6400	40	4700	2.30	1.90	7EN		
5GX7	TRI	PND	TRI	T6	MIX	SCO	WH	5.6	450	275	2.0	1.5	125	13	8500	40	11000	200K	5.40	3.30	90A		
5GX7	TRI	PND	TRI	T6	MIX	SCO	GE	5.6	450	330	2.3	125	8	1600	10	62K	1.70	1.70	90A				
5HA7	TRI	DIS	T9	DIS	RC	GE	H	5.6	450	330	2.0	125	10	2200	17	7700	1.90	1.90	12FQ				
5HA7	TRI	DIS	T9	DIS	RC	GE	H	5.6	450	330	2.8	125	10	2200	17	7700	1.90	1.90	12FQ				
5H87	PND	TRI	T6	MIX	SCO	WH	H	4.7	600	330	3.1	125	12	6400	40	200K	5.00	3.40	90A				
5H87	TRI	PND	TRI	T6	OSC	SRC	WH	4.7	600	330	2.5	125	18	8500	40	5000	3.00	1.90	90A				
5H87	TRI	DIS	T9	DIS	#TS	SRC	WH	5.6	450	330	3.0	125	18	4400	40	5000	3.00	1.90	12FQ				
5HC7	TRI	DIS	T9	GA	SCO	#TS	H	5.6	450	330	1.2	150	1	1900	100	53K	1.90	0.56	12FR				
5HC7	TRI	PND	T6	VHF	SCO	SY	H	5.3	450	125	17	1.9	100	14	5500	17	3100	2.40	1.10	9MP			

NUMERICAL LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT			MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			CAPACITANCE PICTOGRAMS					
									V	M	A	V	M	A	E	I _B	G _M	M _U	R _P	0 _{HMS}	IN	OUT	EIA BASE NO.
5H68	PND	TRI	T6	VHF	SRC	SY	H	5.3	450	250	20	2.2	170	10	12000	3400	3	3400	350K	6.00	3.50	9MP	
5H76	PND	SIN	T5	AFD	SCO	RC	H	4.8	600	300	1.7	150	3	110K	8.20	8	5300	38	7100	2.20	0.40	7EN	
5J6	TRI	TWN	T5	RFA	SCO	GE	H	4.7	600	300	1.5	100	8	18000	12	125	125	15500	9.50	2.70	7BF		
5JK6	PND	SIN	T5	IFA	SCO	SY	H	4.9	450	275	2.5	125	12	120K	12	120K	120K	120K	9.30	2.70	7CM		
5JL6	S	PND	T5	IFA	SCO	SY	H	4.9	450	275	2.5	125	12	15500	12	15500	120K	120K	9.30	2.70	7CM		
5K108	TRI	PND	T6	OSC	SRC	SY	H	5.6	450	330	2.5	125	14	7500	40	10	5000	40	2000K	2.40	2.60	9AE	
5KD8	PND	TRI	T6	MIX	SRC	RC	H	5.6	450	330	3.0	125	13	8000	40	10	5000	40	2000K	5.00	2.00	9DC	
5KE8	S*	PND	TRI	T6	MIX	SCO	RC	5.6	450	280	2.0	125	10	12000	14	8500	46	54000	5.00	3.40	9DC		
5KZ8	S	TRI	PND	T6	OSC	GE	H	4.7	600	330	2.5	125	14	8500	46	125K	125K	125K	3.20	1.80	9FZ		
5K28	S	PND	TRI	T6	MIX	SCO	GE	4.7	600	330	2.5	125	12	7500	40	12	8000	40	2000K	5.50	3.40	9FZ	
5LJ8	TRI	PND	T6	OSC	SRC	SY	H	5.6	450	280	2.0	125	13	8000	40	10	5000	40	2000K	2.40	2.00	9GF	
5LJ8	PND	TRI	T6	MIX	SCO	SY	H	5.6	450	280	2.0	125	12	13000	13	8000	40	5000	5.50	3.40	9GF		
5MB8	TRI	PND	T6	RFA	SCO	SY	H	5.6	450	280	2.0	125	13	8000	40	10	5000	40	2000K	2.0	1.90	9FA	
5MH8	PND	TRI	T6	RFA	SCO	SY	H	5.6	450	280	2.0	125	10	12000	10	125K	125K	125K	5.50	3.40	9FA		
5R4WG8	S*	D10	TWN	T16	REC	VAC	*TS	F	5.0	2000	950	165	900	165	165	5T	5T	5T	5T	5T	5T	5T	5T
5T4	OR5	D10	TWN	T10	REC	VAC	RC	F	5.0	2000	2K	675	550	225	5	5	5	5	5	5	5	5	5
5T8	S	TRD	TRI	T6	DET	HIP	GE	H	4.7	600	300	1.0	250	1	1200	70	58K	1.60	1.10	9E			
5T8	S	TRI	TRD	T6	AFA	SCO	GE	4.7	600	300	1.0	250	1	1200	70	58K	1.60	1.10	9E				
5U4GR	S	D10	TWN	T11	REC	VAC	GE	F	5.0	3000	2K	900	450	250	250	250	250	250	250	250	250	250	250
5U8	S	TRI	PND	T6	OSC	SRC	GE	H	4.7	600	300	2.7	150	18	8500	40	5000	2.50	0.40	9AE			
5U8	S	PND	TRI	T6	MIX	SRC	GE	H	4.7	600	300	2.8	250	10	5200	10	4000K	5.00	2.60	9AE			
5U9	S	TRI	PND	T6	GEN	SRC	AM	H	5.9	450	250	18	100	14	5000	14	5000	17	5000	2.50	3.00	10K	
5U9	S	PND	TRI	T6	GEN	SRC	AM	H	5.9	450	250	18	100	16	16000	13	12000	12000	12000	6.50	3.50	10K	
5V3A	S	D10	TWN	T12	REC	VAC	*TS	F	5.0	3000	2K	1400	425	350	350	350	350	350	350	350	350	350	350
5V4G	S	D10	TWN	ST14	REC	VAC	SY	H	5.0	2000	1K	525	375	175	175	175	175	175	175	175	175	175	175
5V6GT	S	REA	SIN	T9	PA	RCO	GE	H	4.7	600	315	12.0	250	47	4100	8	50K	9.00	7.50	7S			
5X4G	S	D10	TWN	ST16	REC	VAC	SY	F	5.0	3000	2K	675	550	225	550	550	550	550	550	550	550	550	550
5X4	S	TRI	PND	T6	OSC	SRC	SY	H	4.7	600	250	1.5	100	8	5800	40	6900	2.00	0.50	9AK			
5X6	S	PND	TRI	T6	MIX	SRC	SY	H	4.7	600	250	2.0	250	8	4600	8	7500K	4.30	0.70	9AK			
5X9	S	TRI	PND	T6	GEN	SCO	AM	H	5.9	450	275	2.0	1.8	170	8	4800	55	55	2.50	3.00	10K		
5X9	S	PND	TRI	T6	IFA	SCO	AM	H	5.9	450	250	1.8	2.1	160	13	14000	400	400	6.50	3.50	10K		
5Y3WGT	S*	D10	TWN	T9	REC	VAC	RC	F	5.0	2000	1K	400	400	125	125	125	125	125	125	125	125	125	
5Y4GT	S	D10	TWN	T12	REC	VAC	SY	F	5.0	2000	1K	400	400	350	350	350	350	350	350	350	350	350	
5Z3	OPS	D10	TWN	ST16	REC	VAC	RC	F	5.0	3000	1K	675	450	225	450	450	450	450	450	450	450	450	450
5Z4	OPS	D10	TWN	MT8	REC	VAC	RC	H	5.0	2000	1K	375	350	125	350	350	350	350	350	350	350	350	350
																						5L	

NUMERICAL LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USE	TUBE CHAR	REG TYPE	K FILAMENT	TYPICAL CHARACTERISTICS				MAXIMUM PLATE CHARACTERISTICS				TYPICAL CHARACTERISTICS				EIA BASE NO.			
									V	MA	W	V	MA	W	V	MA	W	V	MA	W	V	MA	W	
6A7	OBS	PTG	SIN	ST12	CON	RC	H	6.3	300	300	14	1.0	250	4	360K	7.00	9.00	7C						
6A84	S	TRI	SIN	T5	GEN	SRC	GE	6.3	150	300	2.5	250	1.0	5500	60	2.20	0.50	5CE						
6A97	S	PND	SIN	M7B	RFA	SRC	RC	6.3	450	300	3.8	300	1.2	5000	70K	8.00	5.00	8N						
6A99	S	TEST	TWN	T6	CON	SCD	M7	6.3	365	250	2.0	125	8	10000	110K			10N						
6A97WA	S	PND	SIN	M7A	RFA	SCD	RC	6.3	450	300	3.0	300	1.0	9000	11M	11.00	5.00	8N						
6AC9	DWD	PND	T9	DET	VAC	SY	H	6.3	600	330	2.5	125	1.2	10000	62	150K	8.00	2.20	12GN					
6AC9	DWD	PND	T9	IFA	SCO	SY	H	6.3	600	330	2.0	200	1.9	5800	70	11K	2.50	2.20	12FE					
6AC9	DWD	PND	T9	VAC	SCO	SY	H	6.3	150	2	0.3	100	1	2000	70	35K	1.90	2.20	8DK					
6AD10	OBS	PTG	SIN	T6	DA	VAC	RC	6.3	1200	275	10.0	250	3.5	6500	100K	11.00	11.00	12EZ						
6AF3	S	DIO	SIN	T5	UHF	SRC	RC	6.3	225	150	2.8	200	2.2	100	20	185	2.20	6.00	9CB					
6AF4	S	TRI	SIN	T5	DIS	IND	RC	6.3	150	250	2.5	250	2	2000	20	7500	16	2130	2.20	0.45	7DK			
6AF6	S	PND	T9	DIS	IFA	SCO	SY	6.3	1200	300	25	3.0	200	1.0	10000	3400	110K	11.00	4.20	12GX				
6AF10	S	GT	PND	T9	AFA	RC	H	6.3	1050	275	10.0	250	3.5	6500	100K	11.00	11.00	12EZ						
6AF11	S	TDI	PND	T9	CON	*TS	H	6.3	1200	300	35	5.0	200	2.2	23000	75K	13.00	4.80	12GX					
6AF11	S	TQI	PND	T9	TDI	IFA	RC	6.3	600	330	1.1	200	7	5500	68	12K	4.00	1.90	12DP					
6AF11	S	PND	T9	DIS	VHF	SCO	GE	6.3	600	330	2.0	200	9	4400	41	9400	40K	17.00	6.50	12DP				
6AG5	S	PND	SIN	T5	PA	RFA	SCD	GE	6.3	650	300	9.0	300	3	11000	130K	13.00	7.50	8Y					
6AG7	S	PND	SIN	M7B	PA	SRC	GE	6.3	820	330	1.1	150	6	4600	39	8500	3.60	2.20	12HE					
6AG9	S	TRI	PND	T9	GA	SRC	GE	6.3	820	330	1.1	150	6	4600	39	8000	40K	17.00	6.50	12HE				
6AG9	S	PND	TRI	T9	VHF	SCO	GE	6.3	750	300	37	2.0	100	5	10000	15.00	15.00	4.60	12GT					
6AG9	S	PND	SIN	T5	CH	GE	H	6.3	750	300	18	2.0	100	5	10000	15.00	15.00	2.20	12DA					
6AG11	S	TTP	DWD	T9	HF	SCO	GE	6.3	750	330	2.0	125	8	7800	66	8500	3.80	0.24	12DA					
6AG11	S	TRI	SIN	T9	VDA	RCA	SY	6.3	750	500	180	250	3.0	4500	8	1780	7.00	1.70	8EL					
6AG11	S*	PND	SIN	T5	IFA	SRC	RA	6.3	450	330	2.8	300	1.0	9000	500K	10.00	4.50	7BK						
6AG5	S	PND	SIN	T5	UHF	SCO	WE	6.3	175	180	1.8	28	3	2500	3	2500	4.00	2.10	7BD					
6AK4	OBS	TRI	SIN	T3	UHF	RCA	SY	6.3	150	250	2.0	200	1.0	3800	20	5300	1.90	0.80	8DK					
6AK5wB	S	PND	SIN	T5	UHF	SRC	WE	6.3	175	180	1.7	180	8	5100	500K	4.00	2.10	7BD						
6AK6	S	PND	SIN	T5	PA	RCA	RE	6.3	150	300	2.8	180	1.5	23000	200K	200K	3.60	4.20	7BK					
6AL3	S	DIO	SIN	T6	DET	VAC	WIP	6.3	1550	550	5.0	250	220	117	9		8.60	9.60	9CB					
6AL5w	S	DIO	TWN	T5	DET	IND	GE	6.3	300	330	54	315					2.50	6.8T						
6AL7GT	S	HEX	SIN	T9	IND	GE	H	6.3	150	365								8CH						
6AL11	PND	DIS	T9	AFA	SCO	GE	H	6.3	900	330	1.7	150	1	1000	150K			12BU						
6AL11	PND	DIS	T9	DET	SRC	GE	H	6.3	900	275	10.0	250	3.9	6500	100K	11.00	12.00	12BU						
6AM4	S	TRI	SIN	T6	MIX	SCO	GE	6.3	225	200	2.0	200	5	9800	85	8700	9.00	5.50	9BX					
6AM8A	S	DIO	PND	T6	DET	HIP	SY	6.3	450	300	2.8	200	12	7000	600K			9CY						
6AM8A	S	PND	TRI	T6	IFA	SRC	SY	6.3	450	300														
6AN4	S	TRI	SIN	T5	UHF	SCO	SY	6.3	225	300	3.0	4.0	200	1.3	10000	70	2.90	0.30	7DK					
6AN5WA	S*	PND	SIN	T5	PA	SRC	RA	6.3	450	330	55	4.6	120	33	8500	75	3	9.00	5.50	7BD				
6AN6	S	DIO	QUA	T5	REC	VAC	SY	6.3	200	450	4.5	200	2.6	200	13	3300	200	19	5750	2.00	0.27	7BJ		
6ANBA	S	TRI	PND	T6	GEN	RCA	RC	6.3	450	300	2.0	200	10	6200	10	300K	7.00	2.30	9DA					
6ANBA	S	PND	TRI	T6	GEN	SRC	RC	6.3	450	300														

NUMERICAL LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT CHARACTERISTICS			MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			EIA BASE NO.			
									V	MA	W	V	MA	W	V	MA	GM	MU	RP		
6A05W	S	BEA	SIN	T5	PA	RCO	*TS	H	6.3	450	250	1	12.0	250	47	4100	52K	6.00	8.50	782	
6A06	S	DWD	TRI	T5	DET	VAC	RC	H	6.3	150	150	1	250	1	1200	70	58K	1.80	1.70	787	
6A06	S	TRI	DWD	T5	VA	SCO	RC	H	6.3	150	300	1	250	4	14K	4	44K	2.80	3.20	787	
6A07GT	S	DWD	TRI	T9	DET	VAC	SC	H	6.3	300	250	1.0	250	2	1600	70	44K	2.80	3.20	8CK	
6A07GT	S	DWD	TRI	T9	OSC	VAC	SC	H	6.3	300	250	1.0	250	2	1600	70	44K	2.80	3.20	8CK	
6A08	S	TRI	TWN	T6	RFA	SCO	RE	H	6.3	435	250	8.5	230	10	6000	57	9700			9AJ	
6A08	S	TRI	PND	SIN	T5	PA	RCO	*PHY	H	6.3	400	250	8.5	250	33	2300	68K	5400	21K	11.00	6CC
6A08	S	OBS	SHB	SIN	T11	PA	RCG	WE	H	6.3	1200	565	145	19.0	250	10	4000		5.00	6BQ	
6A08	S	OBS	SHB	SIN	T6	DET	SRC	GE	H	6.3	300	300	30	3.0	2.0					9DP	
6A08	S	PND	TWN	T9	IFA	RCO	GE	H	6.3	800	330	3.1	125	11	10500		200K	10.00	2.90	12DM	
6A55	S	BEA	SIN	T5	PA	RCO	RC	H	6.3	800	150	8.5	150	150	36	5600		12.00	6.20	7CV	
6A56W	S	PND	SIN	T5	VA	SRC	WE	H	6.3	175	180	18	1.7	120	5	3200		110K	3.90	2.20	7CM
6A57GA	S	TRI	TWN	T12	REG	RCO	GE	H	6.3	250	250	1.5	135	135	125	7000	2	280	6.50	2.20	8BD
6A58	S	DIO	PND	T6	DET	HIP	RC	H	6.3	450	330	50	5	200	10	6200		300K	7.00	2.40	9DS
6A58	S	PND	DIO	T6	VHF	SRC	RC	H	6.3	450	300	2.5	200	10							
6A511	S	TDI	PND	T9	CON	SCO	GE	H	6.3	1050	330	2.0	200	9	4400	41	9400	2.40	3.80	12DP	
6A511	S	TDI	PND	T9	IFA	SCO	GE	H	6.3	1050	330	1.5	200	7	5500	68	12K	3.00	2.20	12DP	
6A511	S	PND	TDI	T9	VHF	SRC	GE	H	6.3	1050	330	5.0	200	24	10500		70K	9.50	4.40	12DP	
6AT6	S	DWD	TRI	T5	DET	VAC	RC	H	6.3	300	300	0.5	250	1	1200	70	58K	2.20	0.80	7BT	
6AT6	S	TRI	DWD	T5	VA	SCO	RC	H	6.3	300	330	3.3	250	8	4500		2M	5.50	5.00	7BK	
6AT8A	S	TRI	PND	T6	OSC	SRC	RC	H	6.3	450	250	1.5	100	8	5800	40	6900	2.00	0.50	9DW	
6AT8A	S	DIO	TRI	T6	HIX	SCO	RC	H	6.3	450	250	2.0	250	8	4600		750K	4.50	8.50	9DW	
6AU4GTA	S	DIO	SIN	T9	DA	HIP	*TS	H	6.3	1800	4K	1000	6.0	15	175					4CG	
6AU5GT	S	BEA	SIN	T9	PA	RCO	RC	H	6.3	1250	550	400	10.0	115	60	5600		6000	11.30	7.00	6CK
6AU6WB	S*	PND	SIN	T5	IFA	SCO	RC	H	6.3	300	330	3.3	250	8	4500					7BK	
6AU7	S	TRI	TWN	T6	AFA	RCO	RC	H	6.3	300	300	6.0	2.8	250	10	2200	17	7700	1.60	0.40	9A
6AU8A	S	TRI	PND	T6	GEN	SCO	GE	H	6.3	600	300	2.5	150	9	4900	40	8200	2.60	0.34	9DX	
6AU8A	S	PND	TRI	T6	GEN	SRC	GE	H	6.3	600	300	3.0	200	15	7000		150K	7.50	3.40	9DX	
6AV5GA	S	*BEA	SIN	T11	HDA	RCO	GE	H	6.3	1200	550	400	11.0	250	57	5900		14K	14.00	7.00	6CK
6AV6	S	DWD	TRI	T5	DET	VAC	*NU	H	6.3	300	300	5.3	1000	1							7BT
6AV6	S	TRI	DWD	T5	VA	SCO	*NU	H	6.3	300	330	0.6	250	1	1600	100	62K	2.20	0.80	7BT	
6AV11	S	TRI	T9	DA	VAC	RCO	RC	H	6.3	600	330	20	2.8	250	10	2200	17	7700	1.90	1.20A	6S
6AW8A	S	TRI	T6	VAC	REC	VAC	RC	H	6.3	600	300	1.0	200	4	4000	70	18K	3.20	9DX	9A	
6AW8A	S	PND	TRI	T6	VAC	SCO	SY	H	6.3	600	300	3.2	200	13	9000		400K	10.00	3.60	9DX	
6AX3	S	DIO	SIN	T9	DA	SCO	SY	H	6.3	1200	5K	1000	5.3	165							12BL
6AX4G7B	S+	DIO	SIN	T9	DA	VAC	*TS	H	6.3	1200	4K	750	4.8	21	125					4CG	
6AX5GT	S	DIO	TWN	T9	VAC	VAC	RC	H	6.3	1200	1K	375	1.0	250	125					6S	
6AX7	S	TRI	T6	VAC	VAC	SCO	SY	H	6.3	300	300	2.7	150	18	8500	40	5000	2.50	1.00	9AE	
6AX8	S	OBS	TRI	T6	VAC	SCO	*PL	H	6.3	450	300	2.8	250	10	4800		400K	5.00	3.50	9AE	
6AY3R	S	DIO	SIN	T9	DA	VAC	RC	H	6.3	1200	5K	1100	6.5	900	175					9HP	
6AY11	S	DWD	TTR	T9	DET	VAC	GE	H	6.3	690	330	5	1.0	250	1	1600	100	62K	1.60	0.46	12DA
6AY11	S	TRI	DWD	T9	AFA	SCO	GE	H	6.3	690	330	2.5	200	13	3300	19	5750	2.00	0.22	12DA	
6AZ8	S	TRI	PND	T6	OSC	RCO	RC	H	6.3	450	300	2.0	200	20	6000	10	6000	2.00	1.70	9ED	
6AZ8	S	PND	TRI	T6	IFA	SCO	RC	H	6.3	450	300	2.0	200	20	6000	10	6000	6.50	2.20	9ED	

NUMERICAL LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USE	TUBE CHAR	REG TYPE	K FILAMENT	TYPICAL CHARACTERISTICS				MAXIMUM PLATE CHARACTERISTICS				TYPICAL CHARACTERISTICS				CAPACITANCE PICOFARADS IN OUT		EIA BASE NO.		
									V	M	A	V	M	A	V	M	A	V	M	A	V	M	RP OHMS	GM OHMS	UMHO
6B10	DWD	TTR	T9	DET	VAC	GE	H	6.3	600	330	20	3.0	250	10	2500	18	7200	1M	5.50	4.40	4.40	128F	128F		
6B10	TTR	DWD	T9	OSC	RCO	GE	H	6.3	600	35K	1000	5.3	32	250	11	4400	1M	6.70	5.00	5.00	7BK	7BK			
6B10	S	DIO	SIN	T9	DA	VAC	RC	H	6.3	1200	300	3.0	250	11	4400	1M	6.70	8.30	8.30	8CT	8CT				
6B11	S	PND	SIN	T5	RFA	RCO	H	6.3	300	300	20	1.5	250	5	1800	18	400K	10.00	3.60	3.60	9DX	9DX			
6B11	S	PTG	SIN	T6	CON	RCA	H	6.3	300	300	12	1.1	100	14	1700	100	2.00	1.90	1.90	12ER	12ER				
6B11	S	PTG	SIN	T6	CON	RCA	H	6.3	225	250	25	2.5	150	14	10000	48	4800	2.90	9.26	9.26	9DR	9DR			
6BABA	S	TRI	PND	T6	VA	SRC	SY	H	6.3	600	300	2.0	200	8	2700	18	6700	2.50	0.40	0.40	9DX	9DX			
6BABA	S	PND	TRI	T6	VHF	SRC	SY	H	6.3	600	300	3.2	200	13	9000	18	400K	10.00	3.60	3.60	9DX	9DX			
6BA11	S	TRI	TWP	T9	VDO	RCO	*TS	H	6.3	300	300	20	1.5	250	5	1800	18	400K	10.00	3.60	3.60	9DX	9DX		
6BA11	S	TWP	TRI	T9	GA	SRC	*TS	H	6.3	300	300	12	1.1	100	14	10000	48	4800	2.90	9.26	9.26	9DR	9DR		
6BC4	S	TRI	SIN	T6	UHF	SRC	RCA	H	6.3	225	250	2.5	150	14	10000	48	4800	2.90	9.26	9.26	9DR	9DR			
6BC5	S	PND	SIN	T5	RFA	SRC	*PPL	H	6.3	300	300	54	2.0	250	8	5700	800K	6.50	1.80	1.80	7BD	7BD			
6BC7	S	TRD	PND	T6	DET	HIP	*PPL	H	6.3	450	350	54	2	12	10	6200	35	5300	2.60	3.50	3.50	9AJ	9AJ		
6BC8	S	TRI	TWN	T6	CA	SRC	SY	H	6.3	400	250	22	2.2	150	10	6200	35	5300	2.60	1.30	1.30	9AJ	9AJ		
6BD4A	S	BEA	SIN	T12	REG	SRC	RCA	H	6.3	600	27K	2	25.0	1	100	2K	3.80	0.40	0.40	8FU	8FU				
6BD6	S	PND	SIN	T5	IFA	RCO	RA	H	6.3	300	300	14	3.0	250	9	2000	800K	4.30	5.00	5.00	7BK	7BK			
6BD11	TDI	PND	T9	GEN	SCC	GE	H	6.3	1050	330	1.5	200	7	5500	68	12K	3.00	2.20	2.20	12DP	12DP				
6BD11	TDI	PND	T9	CON	VHF	SRC	SCC	H	6.3	1050	330	2.0	200	9	4400	41	9400	2.40	3.80	3.80	12DP	12DP			
6BD11	S	DIO	SIN	T9	DA	RA	RA	H	6.3	1200	35K	200	6.5	17	10400	-	45K	11.00	4.60	4.60	12DP	12DP			
6BE3A	S	PTG	SIN	T5	CON	RCA	H	6.3	300	300	14	1.0	250	3	2000	800K	1M	5.50	8.00	8.00	12FX	12FX			
6BE6	S	TRI	PND	T6	OSC	SRC	SY	H	6.3	450	300	2.5	150	18	8500	40	5000	2.80	1.50	1.50	9EG	9EG			
6BE8	OBS	PND	TRI	T6	MIX	SRC	SY	H	6.3	450	300	2.8	250	10	5200	400K	400K	4.40	2.60	2.60	9EG	9EG			
6BE8	OBS	BEA	SIN	T5	VDA	RCO	*PPL	H	6.3	450	300	120	5.0	110	39	7500	12K	14.00	6.00	6.00	7BT	7BT			
6BF5	S	DWD	TRI	T5	DET	VAC	RCA	H	6.3	300	300	2.5	250	10	1900	16	8500	1.80	0.70	0.70	7BT	7BT			
6BF6	S	TRI	DWD	T5	AFA	RCO	RA	H	6.3	300	300	1.0	100	5	1000	5	1000	150K	150K	4.40	4.40	8DG	8DG		
6BF7W	ORS	TRI	TWN	T3	GEN	SRC	SY	H	6.3	300	110	1.0	100	8	4800	35	7000	2.00	0.28	0.28	9NXT	9NXT			
6BF8	S	DIO	SXT	T6	DET	VAC	GE	H	6.3	450	165	11	1.7	150	1	1000	5	1000	150K	150K	4.40	4.40	12EZ	12EZ	
6BF11	S	PND	DIS	T9	AFA	DET	SCD	GE	H	6.3	1200	330	6.5	145	36	8600	30K	13.00	10.00	10.00	5BT	5BT			
6BF11	S	REA	SIN	T12	HDA	RCA	GE	H	6.3	900	700	20.0	250	75	6000	25K	11.00	6.00	6.00	5BT	5BT				
6BH3A	S	DIO	SIN	T9	DA	VAC	RC	H	6.3	1600	6K	1100	6.5	2.5	125	12	7500	200K	1M	5.50	6.50	9HP	9HP		
6BH6	S	PND	SIN	T5	RFA	SRC	RC	H	6.3	150	300	3.0	250	7	4600	21	250	1M	5.50	5.50	7CH	7CH			
6BH8	S	TRI	PND	T6	GEN	DET	SCD	GE	H	6.3	600	300	2.5	150	10	3300	17	5150	2.60	0.38	0.38	9DX	9DX		
6BH11	S	TTR	PND	T9	GEN	DET	SCD	GE	H	6.3	600	300	3.0	200	15	7000	150K	7000	2.40	2.40	2.40	12FP	12FP		
6BH11	PND	TTR	T9	OSC	SRC	GE	H	6.3	800	350	2.5	125	12	7500	200K	200K	1M	4.50	3.00	3.00	9ER	9ER			
6BJ3	S	DIO	SIN	T9	DA	VAC	RC	H	6.3	1200	3K	840	4.0	21	250	9	3600	1M	4.50	5.50	5.50	12BL	12BL		
6BJ6A	S	PND	SIN	T5	RFA	RCO	*TS	H	6.3	150	300	3.0	250	1	1M	4.50	3.00	3.00	9AX	9AX					
6BJ7	S	TRD	T6	DET	VAC	RC	SY	H	6.3	330	10	54	3	9	9	9	9	9	9	9	9ER	9ER			
6BJ8	S	DWD	TRI	T6	REC	VAC	SY	H	6.3	600	300	1.0	100	14	8500	46	5400	1M	4.50	3.00	3.00	9ER	9ER		
6BJ8	TRI	DWD	T6	OSC	RCO	SY	H	6.3	600	330	22	4.0	250	8	2800	20	7150	2.80	0.31	0.31	9ER	9ER			
6BK3	S	BEA	SIN	T6	PA	SRC	GE	H	6.3	1200	250	9.0	2.0	250	37	8500	100K	13.00	5.00	5.00	980	980			
6BK5	S	TRI	TWN	T6	CA	DET	SCD	GE	H	6.3	450	300	2.7	150	18	9300	43	4600	3.00	1.00	1.00	9AJ	9AJ		
6BK7B	S	TTR	T9	GEN	DET	SCD	GE	H	6.3	600	330	0.4	250	2	1600	70	45K	1.90	1.90	1.90	12BY	12BY			
6BK11	S	TRT	T9	OSC	RCA	SY	H	6.3	600	330	0.4	250	1	1600	100	62K	1.80	1.80	1.80	12BY	12BY				

NUMERICAL LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT CHARACTERISTICS			MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			CAPACITANCE PICOFARADS IN DUT			EIA BASE ND.		
									V	MA	V	MA	W	V	MA	IR	GM	MU	RP	OMS	200	12	
6BL4	DRS	DID	SIN	T12	DA	VAC	RC	H	6.3	3000	4K	1200	8.0	200	15	2150	4.20	8GB	8BD	8BB	8BG		
6BL7GT	S	TRI	TWN	T9	VDA	RCD	SY	H	6.3	1500	500	210	10.0	250	40	7000	0.90	8BD	8BB	8BG	8BG		
6BL8	S	PND	T6	CDN	SCD	#TS	H	6.3	450	250	14	1.5	100	14	5000	2.50	9DC	9DC	9DC	9DC			
6BL8	S	PND	TRI	T6	CON	#TS	H	6.3	450	250	14	1.7	170	10	6200	4.00K	5.50	3.80	3.80	9EX			
6BM8	S	TRI	PND	T6	DSC	RE	H	6.3	780	300	15	1.0	100	4	2500	70	2.70	4.00	4.00	9EX			
6BM8	PND	TRI	T6	AFA	RCD	RE	H	6.3	780	600	50	5.0	22	2.2	150	35	6400	9.30	8.00	9EX	9EX		
6BN4A	S	TRI	SIN	T5	VHF	SCD	GE	H	6.3	200	275	22	2.2	121	121	440U	4.3	6300	3.20	1.40	7EG		
6BN6	GTB	DWD	TRI	T6	DET	VAC	SY	H	6.3	600	300	54	1.7	250	3	9	2500	70	28K	3.60	0.25	7DF	
6BN8	S	DWD	TRI	T6	VHF	SCD	SY	H	6.3	600	330	54	1.7	250	2	9	2500	70	28K	3.60	0.25	9ER	
6BN11	PND	TWN	T9	IFA	SCD	GE	H	6.3	800	330	65	12.0	250	11	13000	200K	12.00	2.80	12GF	12GF			
6B05	S	BEA	SIN	T6	PA	SRC	SY	H	6.3	760	300	65	12.0	250	50	11300	38K	10.80	6.50	9CV	9CV		
6B06Y	S	BEA	SIN	T9	HDA	RCD	#HY	H	6.3	1200	550	400	11.0	250	55	5500	20K	15.00	7.50	6AM	6AM		
6B07A	S	TRI	TWN	T6	CA	SCD	RC	H	6.3	400	250	20	2.0	150	9	6400	38	5900	2.60	1.20	9AJ		
6BR3	S	DIO	SIN	T6	DA	VAC	TO	H	6.3	1200	6K	1200	6.5	19	250	250	250	8.50	8.50	9CB	9CB		
6BR5	S	TRI	TWN	T6	IND	AM	AM	H	6.3	300	300	3	0.2	250	370U	250	18	8500	40	5000	6.00	3.00	9FA
6BR8A	S	TRI	PND	T6	DSC	SRC	SY	H	6.3	450	300	2.7	1.50	150	18	8500	40	5000	5.00	2.60	9FA		
6BR8A	S	PND	TRI	T6	MIX	SRC	SY	H	6.3	450	300	2.8	2.50	10	150	5200	10	5200	6.50	3.50	9HP		
6BS1A	S	DIO	SIN	T9	DA	VAC	RC	H	6.3	1200	5K	1100	6.0	12	140	140	140	140	140	9AJ			
6BS8	S	TRI	TWN	T6	CA	SCD	WH	H	6.3	400	150	20	2.0	150	10	7200	36	5000	2.60	1.40	9AJ		
6BU8A	S	PND	TWN	T6	VHF	SCD	CG	H	6.3	300	300	12	1.1	100	2	1500	10	5600	3.60	2.40	9FG		
6BV8	OBS	DWD	TRI	T6	DET	VAC	GE	H	6.3	600	300	330	2.7	200	11	5600	33	5900	3.60	2.40	9FJ		
6BV8	DBS	DWD	TRI	T6	VHF	SRC	GE	H	6.3	600	300	300	1.7	150	4	3700	10	7500	7.50	6.50	12HB		
6BV11	S	PND	TWN	T9	CH	SRC	SY	H	6.3	900	300	1K	350	325	100	100	100	100	100	9D	9D		
6BW4	S	DIO	TWN	T6	REC	VAC	SY	H	6.3	900	1K	350	350	350	100	100	100	100	100	9D	9D		
6BW8	DWD	PND	T6	DET	VAC	GE	GE	H	6.3	450	300	330	3.0	250	5	2500	10	5200	4.20	2.40	9FJ		
6BW8	S	TRI	TWN	T9	VDA	RCO	SY	H	6.3	1500	500	180	10.0	250	42	7600	10	1300	4.40	2.10	8BD		
6BX7GT	S	TRI	TWN	T6	DA	VAC	SY	H	6.3	1600	3K	525	2.0	250	175	10	8000	36	5300	7.00	5.00	6CN	
6BY5A	S	PND	SIN	T5	VHF	SRC	RC	H	6.3	300	300	2.0	2.0	250	6	1900	10	6800	3.60	2.60	9AJ		
6BY6	S	PTG	SIN	T5	GA	SRC	#PL	H	6.3	400	250	20	2.0	150	10	6800	36	5300	2.60	1.20	7CH		
6BY8	DID	PND	T6	DET	VAC	HIP	#PL	H	6.3	600	430	180	1.80	250	11	5200	10	250K	4.80	2.60	9HN		
6BY8	S	PND	TRI	T6	VA	SCD	#PL	H	6.3	600	300	300	3.0	250	14	8000	10	260K	7.00	5.00	9HN		
6BZ6	S	PND	SIN	T5	IFA	RCC	SY	H	6.3	300	330	2.3	1.25	250	14	8000	10	100K	1.60	1.20	12BQ		
6BZ7	S	TRI	TWN	T6	CA	SRC	#PL	H	6.3	400	250	20	2.0	150	10	6800	36	5300	2.60	1.20	9AJ		
6C4A4	S*	TRI	SIN	T5	OSC	RCC	RC	H	6.3	150	330	28	3.8	250	10	2200	17	7700	1.70	1.10	6BG		
6C5	DBS	TRI	SIN	MT8	GEN	RCC	RC	H	6.3	300	300	2.5	2.5	250	8	2000	20	10K	3.00	1.10	6Q		
6C6	DBS	PND	SIN	ST12	GEN	SRC	GE	H	6.3	300	300	0.8	0.8	250	2	1200	10	1M	5.00	6.50	6F		
6C9	S	TET	TWN	T6	VHF	SRC	SY	H	6.3	400	250	20	1.5	125	10	8000	10	100K	1.60	1.20	10F		
6C10	S	TRT	T9	GEN	GE	GE	SY	H	6.3	450	330	1.0	1.0	250	1	1600	100	62K	1.60	1.20	12BQ		
6CA4	DID	TWN	T6	REC	VAC	RE	RC	H	6.3	1000	1K	900	3.8	250	10	2200	17	7700	1.70	1.10	9H		
6CA5	DBS	BEA	SIN	T5	PA	SRC	GE	H	6.3	1200	130	5.0	1.25	37	9200	15K	15K	15.00	9.00	7CV			
6CA7	OBS	PND	SIN	T9	PA	RCC	#TS	H	6.3	1500	800	150	25.0	100	11000	100	100	3.00	1.10	8ET			
6CB5A	S	BEA	SIN	T12	HDA	RCC	RC	H	6.3	2500	800	770	23.0	175	90	8800	5000	5000	22.00	10.00	8GD		
6CB6A	S	PND	SIN	T5	IFA	SCD	RC	H	6.3	300	300	2.3	2.00	200	10	6200	10	6000K	6.50	2.00	7CH		

NUMERICAL LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND TYPE	SUBL	USE	TUBE CHAR	K REG TYPE	TYPICAL FILAMENT TYPE	MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			CAPACITANCE			EIA BASE NO.	
								V	MA	W	EB V	IB MA	GM UMHO	MU	RP OMHS	PICOFARADS IN	PICOFARADS OUT	
6CD3	DIO	SIN	T9	DA	VAC	#TS	H	6.3	2500	6K 1500	12.0	350	18		16.00	14.00	12PF	
6C06GA	S	BEA	SIN	T12	DA	RCC	H	6.3	2500	700	20.0	175	75	7700	7200	22.00	8.50	
6CE3	OIO	SIN	T9	REC	VAC	GE	H	6.3	2500	6K 350	11.0	680	11	300K	6.50	13.00	5BT	
6CE5	PNO	SIN	T5	RFA	SCO	HY	H	6.3	300	300	2.2	125	11	7600	6.50	1.90	12GK	
6CF6	PND	SIN	T5	IFA	SCO	RC	H	6.3	300	300	2.0	200	10	6200	6.50	2.00	7BD	
6CG3	S	DIO	SIN	T9	DA	VAC	SY	H	6.3	1800	5K 2100	6.5	25	700		13.00	12HF	
6CG7	S	TRI	TWN	T6	GEN	RCC	RC	H	6.3	600	300	20	3.5	250	9	2600	20	2.30
6CG8A	S	TRI	PND	T6	OSC	SRC	GE	H	6.3	450	250	1.5	100	8	5800	40	6.60	
6CG8A	S	PNO	TRI	T6	MIX	SCO	GE	H	6.3	450	250	2.0	250	8	4600	4.80	0.05	
6CH3	S	DIO	SIN	T9	DA	VAC	SY	H	6.3	2500	6K 1500	11.0	20	680		13.00	9GF	
6CH8	S	TRI	PND	T6	GEN	RCC	RC	H	6.3	450	300	2.6	200	13	3300	19	1.90	
6CH8	S	PNO	TRI	T6	GEN	SRC	RC	H	6.3	450	300	2.0	200	10	6200	40	7.00	
6CJ3	S	OIO	SIN	T9	OA	VAC	GE	H	6.3	1800	6K 350	6.5	25	700		13.00	9HP	
6CK3	S	OIO	SIN	T9	OA	VAC	RC	H	6.3	1200	5K 1200	6.5	16	350		6.50	9HP	
6CK4	S	TRI	SIN	T9	VDA	RCC	SY	H	6.3	1250	550	350	12.0	250	40	5500	7	1.80
6CL3	S	DIO	SIN	T9	DA	VAC	RC	H	6.3	1200	5K 1300	8.5	16	350		1.60	9FT	
6CL6	S	PNO	SIN	T6	PA	SRC	RC	H	6.3	650	300	7.5	250	31	11000	40	150K	
6CL8A	S	TRI	TET	T6	OSC	SRC	GE	H	6.3	450	330	2.5	125	14	8000	40	500K	
6CL8A	S	TET	TRI	T6	MIX	SRC	GE	H	6.3	450	330	3.0	125	12	6500	200K	2.00	
6CM3	S	DIO	SIN	T9	REC	VAC	RC	H	6.3	2400	6K 400	12.0	10	350		20.00	9HP	
6CM6	S	BEA	SIN	T6	PA	RCC	SY	H	6.3	450	315	12.0	250	47	4100	50K	6.50	
6CM7	S	TRI	DIS	T6	VDA	RCC	RC	H	6.3	600	500	7.0	5.5	250	20	4400	18	
6CM7	S	TRI	DIS	T6	VDO	SRC	RC	H	6.3	600	500	7.0	1.2	200	5	2000	21	1.50
6CM8	S	PND	T6	GEN	GEN	SCO	SY	H	6.3	450	300	1.0	250	2	2000	100	50K	
6CM8	S	PNO	TRI	T6	GEN	SRC	SY	H	6.3	450	300	2.0	200	10	6200	600K	6.00	
6CN7	S	OHD	TRI	T6	OET	VAC	GE	H	6.3	300	300	1.0	250	5	1200	70	58K	
6CN7	S	TRI	DWD	T6	VA	SCO	GE	H	6.3	300	300	1.0	250	1	4100	18	1.50	
6C04	S	OIO	SIN	T9	DA	VAC	WH	H	6.3	1600	6K 1200	6.5	25	125		8.50	9ES	
6C08	S	TRI	TET	T6	OSC	SCO	RC	H	6.3	450	300	2.7	125	15	8000	40	5000	
6C08	S	TET	TRI	T6	MIX	SCO	RC	H	6.3	450	300	2.8	125	12	5800	140K	2.70	
6CR6	OBS	OIO	PND	T5	DET	VAC	#TS	H	6.3	300	300	1.4	2.5	250	10	2200	800K	
6CR6	OBS	PTG	DIO	T5	AFA	RCC	#TS	H	6.3	300	300	1.0	100	1	1100	1H	5.50	
6CS6	S	TRI	SIN	T5	GA	SCO	SY	H	6.3	600	500	7.0	1.2	250	10	2200	17	1.80
6CS7	S	TRI	DIS	T6	OSC	RCC	SY	H	6.3	600	500	10.5	6.5	250	19	4500	16	3450
6CS7	S	DIS	TRI	T6	VDA	RCC	RC	H	6.3	450	300	2.0	200	10	6200	19	3.00	
6CU5	S	BEA	SIN	T5	PA	RCC	RC	H	6.3	1200	135	6.0	120	50	7500	10K	13.00	
6CU6	S	BEA	SIN	T11	HDA	RCC	HY	H	6.3	1200	600	4.0	11.0	250	5700	14K	8.50	
6CU6	S	PND	TRI	T6	GEN	RCC	RC	H	6.3	450	300	2.6	200	13	3300	19	5750	
6CW4	S	TRI	SIN	MT4	RFA	SCO	RC	H	6.3	130	135	1.5	70	7	12500	68	5440	
6CW5	PND	SIN	T6	AFA	RCC	RE	H	6.3	760	275	11.0	14.0	170	70	10000	23K	12.00	
6CX6	S	TRI	PND	T6	GEN	SCO	GE	H	6.3	750	330	2.0	150	9	4600	40	8700	
6CX8	S	PND	TRI	T6	VHF	SRC	GE	H	6.3	750	330	5.0	24	10000	70K	9.00	9OX	
6CY5	S	SIN	T5	VHF	SCO	WH	H	6.3	200	180	2.0	125	10	8000	100K	4.50	9.00	
6CY7	S	TRI	DIS	T6	VDA	RCC	GE	H	6.3	750	350	12.0	5.5	150	30	5400	5	920

NUMERICAL LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USE	TURE CHAR	REG TYPE	K TYPICAL FILAMENT V	MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			CAPACITANCE							
									V	MA	H	V	MA	H	E _A	T _B	G _M	M _U	R _P	PICAFARADS IN	PICAFARADS OUT	EIA BASE NO.
6CY7	S	TRI	DIS	T6	VDD	SCO	GE	H	6.3	750	350	1.0	250	1	1300	68	52K	1.50	0.30	9EF	9HN	
6CZ5			SIN	T6	PA	RC0	RC	H	6.3	450	350	1.0	250	48	4800	68	73K	6.00	6.00			
6D4	S+	TRI	SIN	T5	THY	GAS	SY	H	6.3	250	350	110	300	25	4200	57	14K	2.20	0.50	5AY		
6D10	S	TRI	SIN	T9	GEN	SCO	SY	H	6.3	450	330	2.0	125	4	9.00	9.00	12BQ					
6DA4A	S	DIO	SIN	T9	DA	VAC	SY	H	6.3	1200	5K	900	30	185								
6DA5	S	TRI	TWN	T6	IND	RC0	AM	H	6.3	300	300	0.2	250	370U								
6DR5	S	BEA	SIN	T6	VDA		#HY	H	6.3	1200	300	200	200	47	8000	28K	15.00	9.00	9GR			
6DB6	OBS	PND	SIN	T5	VHF	SCO	WH	H	6.3	300	300	3.0	150	6	2000	50K	6.00	5.00	7CM			
6DC6	S	PND	SIN	T5	VA	SRC	RC	H	6.3	300	300	2.0	200	9	5500	500K	6.50	2.00	7CM			
6DC8	OBS	PND	SIN	T6	V	RE	H	6.3	300	200	5	800U										
6DE4	S	PND	SIN	T9	DA	VAC	RC	H	6.3	300	300	2.2	200	11	4500	6000K	5.00	5.20	9HE			
6DE6	S	PND	SIN	T5	IF4	SRC	#PL	H	6.3	300	330	2.3	125	16	8000	250K	6.50	2.00	7CM			
6DE7	S	TRI	DIS	T6	VDA	RC0	SY	H	6.3	900	275	175	7.0	150	35	6500	6	925	5.50	1.00	9HF	
6DG6GT	S	TRI	DIS	T6	VDD	RC0	SY	H	6.3	900	330	77	1.5	250	6	2000	18	8750	2.20	0.52	9HF	
6DJ8	S	BEA	SIN	T9	PA	RC0	RA	H	6.3	1200	200	10.0	200	47	8000	18	28K	15.00	10.00	7S		
6DK6	S	PND	SIN	T5	VHF	SCO	RA	H	6.3	300	330	2.3	125	175	15	12500	33				9AJ	
6DL4	S	TRI	SIN	T6	GGA	UHF	AM	H	6.3	165	230	13	2.0	160	12	13500	65					
6DL5	OBS	PND	SIN	T5	PA	SRC	RE	H	6.3	200	300	35	250									
6DM4A	OBS	DIO	SIN	T9	DA	VAC	WH	H	6.3	1200	5K	1200	6.5	200								
6DN6	BEA	SIN	T12	HDA	RC0	SY	H	6.3	2500	700	700	15.0	125	70	9000	4000						
6DN7	S	TRI	DIS	T9	VDA	RC0	GE	H	6.3	900	550	150	10.0	250	41	7700	15	2000	4.60	1.00	8BD	
6DN7	S	TRI	DIS	T9	VDD	RC0	GE	H	6.3	900	350	1.0	250	8	2500	22	9000	2.20	0.70	8BD		
6D04	S	DIO	SIN	T9	DA	VAC	RA	H	6.3	1200	6K	1000	6.0	175								
6D05	S	BEA	SIN	T12	PA	RC0	RC	H	6.3	2500	900	1000	24.0	110	10500							
6D06B	BEA	SIN	T12	HDA	RC0	GE	H	6.3	1200	770	610	18.0	250	65	7300	18K						
6DR4	S	TRI	SIN	T5	VA	SCO	#HY	H	6.3	150	330	1.2	250	1	1600	100	62K	1.60	0.46	6BG		
6DR7	S	TRI	DIS	T6	VDA	RC0	SY	H	6.3	900	275	175	7.0	150	35	6500	6	925	5.50	1.00	9HF	
6DR7	S	TRI	DIS	T6	VDD	SCO	SY	H	6.3	900	330	70	1.0	250	1	1600	68	40K	2.20	0.34	9HE	
6DR8	OBS	PND	SIN	T6	DET	VAC	RE	H	6.3	300	50	5	25	2	2100							
6DR8	OBS	PND	SIN	T6	1FA	RE	H	6.3	300	50	5	25	1	1500								
6DS4	S+	TRI	SIN	MT4	RFA	SRC	RC	H	6.3	135	300	15	1.0	110	7	9000	63	7000	4.30	1.80	12AQ	
6DS5	BEA	SIN	T5	PA	VDA	RC0	RC	H	6.3	800	250	8.0	250	32	5800	28K						
6DS8	OBS	TRI	PTG	T6	VA	RE	H	6.3	300	250	6	0.8	25	2	2200	20						
6DS8	OBS	PTG	TRI	T6	CON	RE	H	6.3	300	50	5	25	1	1500								
6DT4	S	DIO	SIN	T9	DA	VAC	RC	H	6.3	1200	6K	1450	7.5									
6DT5	BEA	SIN	T6	VDA	RC0	RC	WH	H	6.3	1200	315	190	9.0	250	38	6200						
6DT6A	PND	SIN	T5	DET	SCO	RC	RC	H	6.3	300	330	1.7	150	1	800							
6DT8	TRI	TWN	T6	RFA	SRC	RC	RC	H	6.3	300	300	2.5	250	10	5500	60	11K	2.70	1.60	7EN		
6DV4	*	TRI	SIN	MT4	OSC	SCO	RC	H	6.3	135	125	1.5	1.0	10	11500	35	3100	4.40	1.90	9AJ		
6DW4R	S	DIO	SIN	T9	DA	VAC	RC	H	6.3	1200	6K	1300	8.5	25	350							

NUMERICAL LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USE	TUBE CHAR	REG TYPE	K FILAMENT V	TYPICAL CHARACTERISTICS			MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			CAPACITANCE PICOFARADS IN/OUT			EIA BASE NO.				
												EB V			TR MA			GM UMHO			RP OHMS				
6DW5	S	BEA	SIN	T6	PA	RCO	SY	H	6.3	1200	330	225	11.0	200	55	5500	15K	14.00	9.00	9CK		6R			
6DX4	S	TRI	SIN	T5	UHF	PA	SCO	WH	6.3	200	150	200	2.2	85	10	11000	30	2700	3.70	0.38	7DK		12FA		
6DX8	S	TRI	PND	T6	PA	SCO	RE	H	6.3	720	300	12	1.0	200	3	4000	65	18	11000	1.30	1.30	7EN		9H	
6DX8	S	PND	TRI	T6	PA	SCO	RE	H	6.3	720	300	40	4.0	170	18	11000	28	100K	2.20	0.60	8BD		9H		
6DY4A	S	TRI	SIN	T5	UHF	SCO	SY	H	6.3	125	135	20	1.5	90	10	11000	28	3.50	1.15	7DK		7DK			
6DZ4	S	TRI	SIN	T5	UHF	SRC	SY	H	6.3	225	135	20	2.3	80	15	6700	14	20000	2.20	1.30	7DK		8JP		
6DZ7	S	PND	TWN	T12	PA	SRC	GE	H	6.3	1520	440	13.2	250	48	11300	48	38K	11.00	5.00	7DK		8JP			
6E5	S	TRI	DIS	T9	IND	RCC	RC	H	6.3	300	250	250	240U	1	1.90	150K	770	6.00	3.80	7EN		12FA			
6EA4	S	BEA	SIN	T12	REG	GE	#PPL	H	6.3	200	27K	2	30.0	200	10	8000	5	34K	2.20	0.60	8BD		8BD		
6EA5	S	TE ⁺	SIN	T5	VHF	SCO	GE	H	6.3	1050	550	20	3.2	250	50	175	48	6500	5	770	6.00	1.30	8BD		8BD
6EA7	S	TRI	DIS	T9	VDA	RCC	GE	H	6.3	1050	350	1.0	250	2	1900	65	34K	2.20	0.60	8BD		8BD			
6EA7	S	TRI	DIS	T9	VDO	SCO	GE	H	6.3	200	27K	2	30.0	200	1.0	8500	40	50000	3.00	0.30	9AE		9AE		
6EA8	S	TRI	PND	T6	OSC	SRC	GE	H	6.3	450	330	3.0	150	18	8500	40	50000	3.00	0.30	9AE		9AE			
6EA8	S	PND	TRI	T6	MIX	SRC	GE	H	6.3	450	330	3.1	125	12	6400	40	80K	5.00	2.60	9DX		9DX			
6EB8	S	TRI	PND	T6	VA	SCO	SY	H	6.3	750	330	1.0	250	2	2700	100	37K	2.40	0.36	9DX		9DX			
6EB8	S	PND	TRI	T6	VHF	SRC	SY	H	6.3	750	330	5.0	200	25	12500	75K	11.00	4.20	9DX		9DX				
6EF4	S	BEA	SIN	T12	REG	RCC	GE	H	6.3	200	27K	2	40.0	1	1.90	2.00	1.00	0.80	12HC		12HC				
6EH5	S	PND	SIN	T5	PA	SRC	RC	H	6.3	1200	135	5.0	110	42	14600	11K	17.00	9.00	7CV		9AO				
6EH7	S	TRI	PND	T6	IFA	SRC	SY	H	6.3	300	250	20	2.5	200	12	12500	40	50000	10.00	3.00	9AO		9AO		
6EH8	S	PND	TRI	T6	MIX	SRC	SY	H	6.3	450	300	2.5	125	14	7500	40	2.80	1.70	9JG		9JG				
6EH8	S	PND	SIN	T6	IFA	SRC	SY	H	6.3	300	250	2.5	200	10	15000	10.00	350K	10.00	3.00	9AO		9AO			
6EL7	S	PND	SIN	T6	PA	RCC	AE	H	6.3	300	250	3.0	170	10	9200	3.0	1700	10.00	5.10	9AO		9AO			
6EM5	S	BEA	SIN	T6	PA	RCC	RC	H	6.3	800	315	210	10.0	250	35	5100	5	750	7.00	1.80	8BD		8BD		
6EM7	S	TRI	DIS	T9	VDA	RCC	SY	H	6.3	900	330	175	10.0	150	50	1600	68	40K	2.20	0.60	9BD		9BD		
6EM7	S	TRI	DIS	T9	VDO	SCO	SY	H	6.3	900	330	77	1.5	250	1	1600	68	40K	2.20	0.60	9LQ		9LQ		
6EQ7	S	DIO	PND	T6	DET	VAC	RC	H	6.3	300	300	10	2	10	2	1.90	1.90	12500	2500	2500	2500	9AJ		9AJ	
6EQ7	S	PND	DIO	T6	RFA	RCC	RC	H	6.3	300	300	3.0	100	9	3800	9	250K	5.50	5.00	9LQ		9LQ			
6ER5	S	TRI	SIN	T5	VHF	SRC	AM	H	6.3	180	250	20	2.2	200	10	10500	80	10500	80	4.40	4.00	7FP		7FP	
6ES5	S	TRI	SIN	T5	AFA	SRC	SY	H	6.3	200	250	22	2.2	200	10	9000	75	80000	3.20	3.20	7EN		7EN		
6ES6	S	OBS	TWN	T6	CA	RFA	RE	H	6.3	300	300	15	0.5	25	3	2100	90	50K	2500	2500	2500	9AJ		9AJ	
6ET6	S	OBS	PND	SIN	T5	GEN	SCO	RE	6.3	300	50	15	0.5	25	2	2100	90K					7EN			
6ET7	S	DIO	PND	T6	DET	VAC	SY	H	6.3	900	330	5.0	200	2	11500	100	60K	10.00	4.20	9LT		9LT			
6ET7	S	DIO	T6	VHF	SRC	SY	H	6.3	900	330	1.2	250	1	1600	100	62K	1.60	0.20	9LS		9LS				
6FU7	+ S	TRI	TWN	T6	AFA	SCO	RC	H	6.3	300	330	3.0	150	18	8500	40	50000	3.00	1.60	9JF		9JF			
6FU8	S	PND	TRI	T6	OSC	SCO	RC	H	6.3	450	330	22	1.8	90	15	12500	150	6400	80K	5.00	2.60	9JF		9JF	
6EV5	S	TEST	SIN	T5	MIX	SRC	RA	H	6.3	450	330	3.1	125	12	6400	80K	80K	5.00	2.60	9JF		9JF			
6EV7	S	TRI	TWN	T6	VHF	SRC	WH	H	6.3	200	275	20	3.2	250	12	8800	12K	150K	4.50	2.90	7EN		7EN		
6EV7	S	PND	SIN	T5	INA	SCO	RC	H	6.3	600	300	20	2.5	250	9	5200	60	12K	0.30	0.33	9LP		9LP		
6EW6	S	TRI	SIN	T5	IFA	SCO	GE	H	6.3	400	330	3.1	125	11	14000	125	14000	10.00	4.00	7CH		7CH			
6EW7	S	TRI	DIS	T9	VDA	RCC	SY	H	6.3	900	330	175	10.0	150	6	800	6	800	6	800	6	9H			

NUMERICAL LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND TYPE	BULB	USE	TUBE CHAR	REG TYPE	K FILAMENT	TYPICAL FILAMENT				MAXIMUM PLATE CHARACTERISTICS				TYPICAL CHARACTERISTICS				CAPACITANCE PICOFARADS IN OUT		EIA BASE NO.				
								V	MA	V	MA	W	MA	V	MA	EB	IB	GM	MU	RP	OHMS	IN	OUT			
6EW7	S	TRI	DIS	T9	VDO	RCO	SY	H	6.3	900	330	77	1.5	250	6	2000	16	8750	2.20	0.40	9HF	95	9MF			
6EY6	S	BEA	SIN	T9	VDA	RCO	GE	H	6.3	680	350	180	11.0	250	44	4400	60K	8.50	7.00	7.00	7.00	7.00	7.00	9K		
6EZ5	S	BEA	SIN	T9	VDA	RCO	GE	H	6.3	800	350	75	12.0	250	43	4100	50K	9.00	9.00	7.00	7.00	7.00	7.00	7S		
6EZ8	S	TRT	T6	GEN	GEN	SRC	GE	H	6.3	450	330	2.0	125	4	4200	57	14K	2.40	2.40	2.40	2.40	2.40	2.40	9KA		
6F6GT	S	PND	SIN	T9	PA	RCO	RC	H	6.3	700	375	11.0	250	36	2500	80K	90K	90K	90K	90K	90K	90K	7S			
6FA7	S	DIO	TET	T6	VAC	RCA	RC	H	6.3	300	330	1.5	100	1	3200	15	12000	500K	6.30	4.50	4.50	4.50	4.50	4.50	9MR	
6FA7	S	TET	DIO	T6	VAC	RCA	RC	H	6.3	340	130	22	1.8	90	15	1400	1	1400	500K	5.50	4.80	4.80	4.80	4.80	4.80	9DD
6FC7	S	TRI	TWN	T6	CA	SCO	MU	H	6.3	330	30	20	1.5	250	1	3200	1	1400	500K	5.50	4.80	4.80	4.80	4.80	4.80	7BK
6FD6	S	PND	SIN	T5	IFA	SCO	RA	H	6.3	330	30	13	1.5	250	1	3200	1	1400	500K	5.50	4.80	4.80	4.80	4.80	4.80	7BK
6FD7	S	TRI	DIS	T9	VDA	RCO	*PL	H	6.3	925	330	175	10.0	150	40	7500	6	800	6.50	1.20	9HF	95	9MF			
6FD7	S	TRI	DIS	T9	VDO	RCA	*PL	H	6.3	925	330	70	1.5	250	1	1600	64	40K	2.20	0.40	9HF	95	9MF			
6F65	S	BEA	SIN	T9	AFA	RCA	RC	H	6.3	1200	275	20	2.8	250	9	9500	88	8000	15.00	9.00	8KB	85	8KA			
6FG5	S	PND	SIN	T5	VHF	SCO	GE	H	6.3	270	300	3	0.5	250	2	250	7	4400	750K	4.20	2.80	2.80	2.80	2.80	2.80	7GA
6FG6	S	TRI	SIN	T6	IND	RE	H	6.3	270	300	3	0.5	250	2	250	7	4400	750K	4.20	2.80	2.80	2.80	2.80	2.80	7GA	
6FG7	S	TRI	PND	T6	OSC	SCO	GE	H	6.3	450	330	2.5	125	13	7500	43	5700	3.00	1.30	9GF	95	9GF				
6FG7	S	PND	TRI	T6	MIX	SCO	GE	H	6.3	450	330	3.0	125	11	6000	1180K	5.00	2.40	2.40	2.40	2.40	2.40	9GF			
6FH5	S	TRI	SIN	T5	VHF	SCO	*PL	H	6.3	200	150	22	2.2	135	11	9000	50	5600	3.20	3.20	3.20	3.20	3.20	3.20	7FP	
6FH8	S	TRI	TET	T6	VHF	SCO	RC	H	6.3	450	275	1.7	100	8	5400	40	7400	1.40	2.60	2.60	2.60	2.60	2.60	9KP		
6FH8	S	TET	TRI	T6	VHF	SCO	RC	H	6.3	450	275	250	7	4400	7	4400	7	750K	4.50	1.40	9KP	95	9MF			
6FJ7	S	TRI	DIS	T9	VDA	RCO	GE	H	6.3	900	550	150	10.0	250	41	7700	15	2000	4.00	0.54	12BM	12EJ	12EJ			
6FJ7	S	TRI	DIS	T9	VDO	RCA	GE	H	6.3	900	350	22	1.0	250	8	2500	22	9000	2.20	0.48	12BM	12EJ	12EJ			
6FK5	S	TRI	SIN	T5	RFA	SCO	SY	H	6.3	190	200	22	2.3	135	12	15000	75	5000	4.40	2.60	7GM	7GA	7GA			
6FM7	S	TRI	DIS	T9	VDA	RCO	GE	H	6.3	1050	550	50	10.0	175	40	6000	6	920	7.00	1.10	12EJ	12EJ	12EJ			
6FM7	S	TRI	DIS	T9	VDO	SCO	GE	H	6.3	1050	350	1.0	250	2	2200	66	30K	2.40	0.40	12EJ	12EJ	12EJ				
6FM8	S	DWD	TRI	T6	DET	VAC	GE	H	6.3	450	5	5	1	250	1	1200	70	58K	1.50	0.16	9KR	95	9MF			
6FM8	S	TRI	DWD	T6	AFA	SCO	GE	H	6.3	450	330	1.1	160	100	1	17000	8	3500	25.00	11.00	8GD	85	8GD			
6FN5	S	PND	SIN	T12	HDA	RCA	CI	H	6.3	1650	250	700	16.0	250	9	12000	74	6300	5.00	3.50	9LP	95	9MF			
6FO5A	S	TRI	SIN	T5	VHF	SCO	SY	H	6.3	180	200	22	2.5	250	9	2600	9	2600	20	7700	2.40	1.40	9FQ	95	9MF	
6FO7	S	TRI	SIN	T6	GEN	RCA	RC	H	6.3	600	330	22	4.0	250	9	2600	12	8000	45	5600	2.80	1.50	9FA	95	9MF	
6FR7	S	TRI	DIS	T9	VDA	RCO	SY	H	6.3	925	330	175	10.0	150	50	7200	5	750	7.50	1.20	9HF	95	9MF			
6FR7	S	TRI	DIS	T9	VDO	SCO	SY	H	6.3	925	330	77	1.5	250	75	6600	68	40K	2.40	0.30	9HF	95	9MF			
6FS5	S	BEA	SIN	T5	RFA	SCO	GE	H	6.3	200	300	20	3.2	250	10	10000	74	240K	4.80	2.00	7GA	7GA	7GA			
6FV6	S	TET	SIN	T5	RFA	SCO	RC	H	6.3	200	300	20	2.0	125	10	8000	100K	100K	100K	100K	100K	100K	9FQ			
6FV8A	S	TRI	PND	T6	RFA	SCO	RC	H	6.3	450	330	2.3	125	12	6500	200K	5.00	2.00	2.00	2.00	2.00	2.00	9FA			
6FW5	S	TRI	DIS	T3	MIX	SCO	TO	H	6.3	1200	770	550	17.5	250	75	6600	20K	17.00	7.00	6CK	6CK	6CK				
6FW7	S	TRI	DIS	T3	OSC	SRC	TO	H	6.3	300	150	20	3.2	250	90	9500	36	6000	3.60	2.60	6LM	6LM	6LM			
6FW7	S	TRI	TWN	T6	RFA	SCO	RC	H	6.3	400	250	22	2.2	125	15	12500	33	2600	3.40	2.40	9AJ	95	9MF			
6FX7	S	TRI	TWN	T3	AFA	SCO	TO	H	6.3	300	100	20	1.7	90	9	9500	36	38000	5.50	2.95	8LK	85	8KA			
6FY5	S	TRI	TWN	T5	VHF	SCO	AM	H	6.3	300	200	20	2.2	135	11	13000	70	38000	4.75	3.30	7FP	75	7GA			
6FY7	S	TRI	DIS	T9	VDA	RCA	GE	H	6.3	1050	275	50	7.0	150	35	6500	6	920	6.50	1.20	12E0	12E0	12E0			
6FY7	S	TRI	DIS	T9	VDO	SCO	GE	H	6.3	1050	330	20	1.0	250	1	1600	65	40K	2.20	0.40	12E0	12E0	12E0			

NUMERICAL LISTING - CONTINUED

TUBF TYPE NUMBER	CODE	KIND TYPE	BULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT CHARACTERISTICS			MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			CAPACITANCE PICOFARADS IN OUT	EIA BASE NO.			
								V	MA	V	MA	W	V	MA	UH	MU	RP	OHMS			
6G11	S	PND	DIS	T9	AFA	SCD	GE	6.3	1200	330	1.7	150	1	1000	150K	10K	12.00	12.00	12BU		
6G11	S	PND	DIS	T9	DET	SRC	GE	6.3	1200	65	6.5	120	50	7500	20K	15.00	15.00	12EB			
6GA7	DIO	PND	T12	DA	VAC	RA	6.3	2260	6K	140	5	250	5	6600	20K	10.00	10.00	12EB			
6GA7	PND	DIO	T12	PA	RCC	RA	6.3	2260	770	150	15.0	250	75	6600	20K	12.00	12.00	9NH			
6GB5	REA	SIN	T9	PA	SRC	AM	6.3	1380	275	6.0	75	440	75	6600	20K	16.00	16.00	12BJ			
6GC5	BEA	SIN	T9	PA	SY	H	6.3	1200	220	12.0	200	47	8000	28K	18.00	18.00	9EU				
6GC6	OBS	BEA	SIN	T12	HDA	RCC	RA	6.3	1200	770	550	17.5	250	345	6600	20K	15.00	15.00	8JX		
6GD7	OBS	TRI	PND	T6	OSC	SCO	SY	6.3	380	125	16	2.2	125	10000	47	4700	3.00	1.20	9GF		
6GD7	OBS	PND	TRI	T6	MIX	SCO	SY	6.3	380	250	20	2.2	170	10	12000	350K	6.00	3.00	9GF		
6GE5	REA	SIN	T12	HDA	RCC	GE	6.3	1200	770	550	17.5	250	75	6600	20K	16.00	16.00	12BJ			
6GE8	OBS	TRI	PND	T6	REG	HIP	WH	6.3	900	275	175	7.0	150	35	5000	5	1080	5.50	1.30	9LC	
6GE8	OBS	PND	TRI	T6	VA	SRC	WH	6.3	900	330	1.0	150	6	3200	340K	8.00	2.40	9LC			
6GF5	BEA	SIN	T9	HDA	RCC	GE	6.3	1200	770	500	9.0	250	34	4700	260K	16.00	7.50	12BJ			
6GF7A	TRI	DIS	T9	VDA	RCC	RC	6.3	985	330	50	11.0	150	50	7200	5	750	6.50	1.40	9DD		
6GF7A	TRI	DIS	T9	VDD	SCO	RC	6.3	985	330	22	1.5	250	1	1600	64	40K	2.40	0.26	9DD		
6GH8A	S	TRI	PND	T6	VA	SRC	RC	6.3	450	330	2.5	125	14	8500	46	5400	3.00	1.40	9AE		
6GH8A	S	TRI	PND	T6	OSC	SCO	RC	6.3	450	350	20	2.5	125	12	7500	200K	5.00	3.40	9AE		
6GJ5A	BEA	SIN	T12	HDA	RCC	HIP	RC	6.3	1200	770	550	17.5	250	70	7100	15K	15.00	6.50	90K		
6GJ7	TRI	PND	T6	MIX	AM	AM	AM	6.3	410	140	22	1.8	100	15	9000	20	350K	6.20	3.50	90A	
6GJ7	PND	TRI	T6	MIX	AM	AM	AM	6.3	410	275	20	2.4	170	10	11000	350K	6.20	3.50	90A		
6GJ8	OBS	TRI	PND	T6	VA	SRC	SY	6.3	600	330	2.5	125	14	8500	5000	3.40	1.60	9AE			
6GJ8	OBS	PND	TRI	T6	OSC	SCO	SY	6.3	600	330	2.5	125	12	7500	150K	8.00	2.40	9AE			
6GK5	TRI	SIN	T5	VHF	SCO	SY	SY	6.3	180	200	22	2.5	135	12	15000	78	5400	5.00	3.50	7FP	
6GK6	PND	SIN	T6	IFA	AFA	SY	CG	6.3	760	250	65	13.2	250	2.8	270	8	9500	38K	10.00	7.00	9GK
6GK7	PND	SIN	T6	IFA	IFA	SY	CG	6.3	300	330	330	2.8	250	8	11300	750K	8.50	3.30	9AQ		
6GL7	S	TRI	DIS	T9	VDA	HIP	GE	6.3	1050	550	50	10.0	175	46	6400	5	780	6.00	1.30	8BD	
6GL7	S	TRI	DIS	T9	VDD	SCO	GE	6.3	1050	350	50	1.0	250	2	2200	66	30K	2.20	0.60	8BD	
6GM5	BEA	SIN	T9	PA	IFA	SY	SY	6.3	800	550	85	19.0	300	60	10200	29K	9.00	4.00	9PX		
6GM6	ORS	PND	SIN	T5	IFA	SRC	RC	6.3	400	330	3.1	125	14	13000	200K	2100	10.00	2.40	7CM		
6GM8	TRI	TWN	T6	RFA	RE	RE	RE	6.3	330	30	20	0.6	25	8	7800	2100			9DE		
6GN6	OBS	DIO	PND	T5	DET	VAC	RV	6.3	300	300	3.0	250	1	4400	1M	5.50	5.00	7FW			
6GN6	OBS	PND	D10	T5	IFA	RCC	RV	6.3	300	300	3.0	250	11	2700	100	37K	2.40	0.36	9DX		
6GN8	S	TRI	PND	T6	VA	SCO	SY	6.3	750	330	1.0	250	2	200	25	11500	60K	11.00	4.20	9AX	
6GQ7	S	TRD	TRI	T6	IFA	NET	VAC	6.3	750	330	5.0	117	54	54	117						
6GS8	S	PND	TWN	T6	DET	VAC	SY	6.3	300	300	12	1.1	100	8	1200	1M	5.50	5.00	9FG		
6GT5A	S	BEA	SIN	T12	PA	HIP	RC	6.3	1200	770	550	17.5	250	70	7100	15K	15.00	6.50	9KN		
6GU5	BEA	SIN	T5	RFA	SCO	GE	RC	6.3	220	300	20	3.0	275	10	15500	165K	7.00	3.20	7GA		
6GU7	TRI	TWN	T6	GEN	RCC	RC	RC	6.3	600	330	3.0	250	12	3100	17	5500	1200	9LP			
6GV5	S	BEA	SIN	T12	HDA	RCC	GE	6.3	1200	770	175	17.5	250	65	7300	18K	16.00	7.00	12DR		
6GV7	TRI	PND	T6	OSC	AE	H	6.3	350	250	15	2.0	100	14	5500	17						
6GV7	PND	TRI	T6	VHF	AE	H	6.3	350	250	18	2.0	125	10	3100	10						
6GV8	TRI	PND	T6	VA	AM	H	6.3	900	250	15	0.5	100	5	6500	50	7600					
6GV8	PND	TRI	T6	VA	AM	H	6.3	900	250	75	7.0	170	41	7500	25K	5800	5.50	4.00	7GK		

NUMERICAL LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND TYPE	BULB	USE	TUBE CHAR	REG TYPE	K TYPE	TYPICAL FILAMENT V	MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			CAPACITANCE PICOFARADS			EIA BASE NO.	
									W	MA	V	MA	GM	MU	UMHO	IN	OUT		
6GW6	S	REA	SIN	T12	PA	RCO	RC	6.3	1200	770	550	18.0	250	70	7100	15K	6AM	6AM	
6GU8	S	TRI	PND	T6	AFA	AM	AM	6.3	700	300	8	0.5	250	31	1600	100	9LZ	9LZ	
6GW8	S	TRI	PND	T5	AFA	AM	AM	6.3	700	300	55	9.0	250	36	10000	45K	10.00	9.50	
6GY6	S	TRI	PND	SIN	T5	OSC	SCC	6.3	450	300	1.7	150	4	3700	140K	13	7EN	7EN	
6GX7	S	TRI	PND	SIN	T6	OSC	SCC	6.3	400	275	20	1.5	125	13	8500	40	47000	2.30	
6GX7	S	PND	TRI	T6	MIX	SCO	WH	6.3	400	275	20	2.2	125	8	11000	200K	5.40	3.30	
6GY5	S	BEA	SIN	T12	HDA	RCO	GE	6.3	1500	770	230	18.0	130	50	9100	11K	22.00	9.00	
6GY6	S	PND	SIN	T5	T6	GEN	SCO	6.3	450	330	5.0	125	4	3700	140K	5.00	1.60	9MB	
6G75	S	PND	SIN	T5	AFA	FTS	H	6.3	380	300	4.8	250	16	4500	150K	8.50	3.80	7CV	
6H6GT	DIO	TWN	T9	REC	VAC	#HY	H	6.3	300	420	48	11.7	8	12	14500	72	70	70	
6HA5	TRI	SIN	T5	RFA	AM	AM	H	6.3	180	220	22	2.6	135	28	20000	20K	13.00	8.00	
6HA6	S	PND	SIN	T6	PA	SCO	RA	6.3	710	300	8.0	150	130	50	9100	11K	22.00	9.00	
6HB5	S	REA	SIN	T12	HDA	RCO	GE	6.3	1500	770	3500	18.0	250	40	20000	24K	13.00	8.00	
6HB6	S	PND	SIN	T6	VDA	SRC	RA	6.3	760	350	10.0	250	40	20000	24K	13.00	8.00		
6HB7	TRI	PND	T6	OSC	SRC	RC	H	6.3	450	330	2.5	150	18	8500	40	50000	3.00	90A	
6HB7	PND	TRI	T6	MIX	SCO	RC	H	6.3	450	330	3.1	125	12	6400	200K	5.00	3.40	90A	
6HC8	OBS	TRI	PND	T9	VDO	SCO	SY	6.3	1200	330	1.0	250	1	2000	68	34K	3.00	2.60	
6HD5	OBS	PND	TRI	T9	VDA	RCO	SY	6.3	1200	350	11.0	250	38	5100	55K	10.00	8.00	9EX	
6HD5	BEA	SIN	T12	HDA	RDA	RCO	RA	6.3	2250	770	280	24.0	135	65	10000	50000	50000	12ES	
6HD7	TRI	PND	T6	OSC	WH	WH	H	6.3	490	275	20	1.5	100	14	8200	40	48800	2.40	
6HD7	PND	TRI	T6	MIX	RCO	GE	WH	6.3	450	275	20	2.2	120	10	8000	70K	4.60	1.80	
6HE5	REA	SIN	T9	VDA	DA	VAC	SY	6.3	800	350	75	12.0	250	43	4100	50K	9.50	7.00	
6HE7	DIO	PND	T12	DA	HDA	RCO	SY	6.3	2700	4K	1200	21	250	21	2500	250	12FS	12FS	
6HE7	PND	DIO	T12	HDA	RDA	RCO	SY	6.3	2700	500	230	10.0	130	60	8800	6200	19.00	8.00	
6HF5	REA	SIN	T12	HDA	RCO	RC	H	6.3	2250	990	1100	28.0	175	125	11300	56000	24.00	10.00	
6HF8	S	TRI	PND	T6	GEN	SRC	RC	6.3	750	330	1.0	200	4	4000	70	18K	2.80	2.60	
6HF8	S	PND	TRI	T6	GEN	SCO	RC	6.3	750	330	5.0	200	25	12500	75K	10.00	4.20	9DX	
6HG5	REA	SIN	T5	PA	RCO	RC	WH	6.3	450	275	12.0	250	47	4100	52K	8.00	8.50	9MP	
6HG8	TRI	PND	T6	OSC	SCO	MU	H	6.3	340	125	15	1.5	100	14	6000	17	350K	6.00	
6HG8	PND	TRI	T6	CON	SCO	MU	H	6.3	340	250	18	2.0	150	10	12000	56000	24.00	10.00	
6HJ5	BEA	SIN	T12	HDA	RCA	RA	H	6.3	225	770	1000	24.0	135	80	10000	50000	50000	12FS	
6HJ7	TRI	PND	T6	OSC	CA	SCO	WH	6.3	450	275	20	1.5	100	14	8200	40	48800	2.40	
6HJ7	PND	TRI	T6	MIX	T6	PA	HIP	6.3	450	275	20	2.2	120	10	13000	250K	5.00	1.80	
6HJ8	DIO	PND	T6	DET	VAC	#PL	H	6.3	450	330	10	50	10	50	40	50000	2.80	1.60	9AE
6HL8	S	PND	TRI	T6	IFA	#PL	H	6.3	450	330	3.2	125	12	9300	200K	7.00	3.60	9HP	
6HK5	S	TRI	SIN	T5	VHF	SRC	SY	6.3	190	200	22	2.3	135	12	15000	75	5000	4.40	
6HK8	S	TRI	TWN	T6	CA	SCO	TO	6.3	400	150	20	2.0	90	8	8000	36	45000	3.30	
6HL5	S	BEA	SIN	T6	PA	HIP	WH	6.3	950	330	110	12.0	130	70	17000	7500	17500	9DE	
6HL8	S	TRI	PND	T6	GEN	SCO	SY	6.3	600	330	2.5	125	13	7000	40	50000	2.80	1.60	
6HM8	S	PND	TRI	T6	IFA	SCO	SY	6.3	600	330	2.5	125	12	10000	150K	150K	7.50	2.30	
6HM5	S	TRI	SIN	T5	VA	SRC	WH	6.3	185	200	20	2.6	120	15	18000	82	4.40	2.60	
6HM6	S	PND	SIN	T6	IFA	SCO	WH	6.3	300	250	25	2.5	125	13	15000	78	156K	4.50	
6HQ5	S	TRI	SIN	T5	VHF	SCO	WH	6.3	200	200	22	2.5	135	12	15000	78	5400	8.70	
6HQ6	S	PND	SIN	T5	IFA	SCO	RV	6.3	300	330	2.4	125	15	10500	220K	220K	7.80	2.20	

NUMERICAL LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT			MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			CAPACITANCE			EIA BASE NO.			
									V	MA	W	E _B	V	mA	18 mA	GM	MU	R _P	PICOFARADS IN	PICOHMS OUT				
									MA	V	W	V	mA	W	mA	W	mA	W	OHMS	OUT				
6HR5	S	BEA	SIN	T5	VDA	R _{CO}	WH	H	6.3	450	260	35	8.0	260	30	3600	500K	8.30	8.20	78Z				
6HR6	S	PND	SIN	T5	GEN	R _C	H	6.3	450	300	3.0	200	13	8500	500K	8.80	5.20	78K						
6HS5	S	BEA	SIN	T12	REG	S _{RC}	GE	H	6.3	1500	5K	325	30.0	3K	300	65000	4600	24.00	6.50	12CY				
6HS6	S	PND	SIN	T5	GEN	S _{CO}	RC	H	6.3	450	300	3.0	150	9	9500	500K	8.80	5.20	78K					
6HS8	S	PND	TWN	T6		S _{CO}	GE	H	6.3	300	300	12	1.1	100	2	1100				9FG				
6HT6	S	PND	SIN	T6	IFA	S _{RC}	WH	H	6.3	300	250	25	2.5	125	15	14000		143K		9PM				
6HU6	S	TRI	DIS	T6	IND	S _{CO}	AM	H	6.3	300	300	5	0.6	250	200U						9GA			
6HU8	S	PND	TWN	T6	AFA	S _{CO}	LR	H	6.3	550	300	40	6.0	250	26	6000		80K	7.00	4.50	9NJ			
6HW8	S	SHB	SIN	T6	DET	S _{RC}	GE	H	6.3	300	330	30	2.0	250	13	40000				4.40				
6HZ6	S	PND	SIN	T5	AFD	S _{RC}	RC	H	6.3	450	300	1.7	150	3	3400						7EN			
6HZ8	OBS	TRI	PND	T9	OSC	S _{CO}	#P _L	H	6.3	1125	300	1.0	200	4	40000	70					9DX			
6HZ8	OBS	PND	TRI	T9	VHF	S _{RC}	#P _L	H	6.3	1125	330	8.0	250	29	12600						9DX			
6J4WA	S+	TRI	SIN	T5	UHF	S _{CO}	RC	H	6.3	400	150	20	2.2	150	15	12000	55	4500		78Q				
6J5GT	S	TRI	SIN	T9	GEN	R _{CO}	#HY	H	6.3	300	330	20	2.8	250	9	2600	20	7700		6G				
6J6WA	S	TRI	TWN	T5	RFA	S _{CO}	RC	H	6.3	450	300	15	1.5	100	8	5300	38	7100	2.20	0.40	7BF			
6J7GT	S	PND	SIN	T9	VA	S _{CO}	#HY	H	6.3	450	330	2.0	0.8	250	2	1200	6	5200	57	11K	4.60	12.00	7R	
6J9		TRI		T6	VHF	S _{CO}	SY	H											2.60	1.30	10G			
6J10	S	PND	GTB	T9	AFA	S _{CO}	GE	H	6.3	950	330	13	10.0	250	39	6500		100K	11.00	7.00	12BT			
6J10	S	GTB	PND	T9	DIS	S _{CO}	GE	H	6.3	950	330	13	270	270	440U						12BT			
6J11	S	PND	TWN	T9	IFA	S _{CO}	WH	H	6.3	800	330	3.1	125	11	13000						12BW			
6JAB	S	TRI	TET	T6	GEN	S _{CO}	WH	H	6.3	750	300	1.0	200	4	4000	70					90F			
6JAB	S	TET	TRI	T6	IFA	S _{CO}	WH	H	6.3	750	330	5.0	200	18	14000						90F			
6JB6A	S	REA	SIN	T12	HDA	R _{CO}	RC	H	6.3	1200	770	175	17.5	250	70	7100						9QL		
6JB8	S	PND	TRI	T6	AFA	R _{CO}	RA	H	6.3	600	330	2.4	250	250	2200	17	7700						9AE	
6JC6A	S	PND	SIN	T6	IFA	S _{CO}	RA	H	6.3	600	330	3.0	250	250	16000						9PN			
6JC8	S	TRI	PND	T6	OSC	S _{CO}	SY	H	6.3	450	275	1.7	125	12	6500	40	6000				9PA			
6JC8	PND	TRI	T6	MIX	S _{CO}	SY	H	6.3	450	275	2.3	125	9	5500										
6JD6	S	BEA	SIN	T6	IFA	S _{CO}	RC	H	6.3	300	330	2.5	125	15	14000									
6JF6A	S	TRI	PND	T6	VHF	H _{IP}	RC	H	6.3	2500	990	350	30.0	175	130	9600								
6JE8	S	REA	SIN	T12	HDA	S _{CO}	#P _L	H	6.3	780	300	1.0	200	4	4200	70						9QL		
6JE8	S	PND	TRI	T6	IFA	S _{RC}	#P _L	H	6.3	780	330	5.0	250	22	12000						9DX			
6JF6	S	BEA	SIN	T12	HDA	H _{IP}	RC	H	6.3	1600	770	275	17.0	130	80	10000						9QL		
6JF8	D10	PND	T12	DA	VAC	R _A	H	6.3	2400	4K	825	5.0	250	75	6600						9DP			
6JF8	S	TRI	D10	T12	VDA	R _{CO}	RA	H	6.3	2400	770	500	15.0	250	22	10000	5	12K	22.00	9.00	9OU			
6JG6A	S	REA	SIN	T12	HDA	R _{CO}	RC	H	6.3	1600	770	275	17.0	130	80	10000						9AJ		
6JH6	S	PND	SIN	T5	IFA	S _{RC}	RC	H	6.3	300	300	2.3	125	14	8000						9AJ			
6JH8	S	SHB	SIN	T6	DET	S _{CO}	GE	H	6.3	300	330	3.0	250	14										
6JK6	PND	SIN	T5	IFA	S _{CO}	SY	H	6.3	350	275	2.5	125	12	18000						9.50				
6JK6	TRI	DIS	T6	OSC	S _{CO}	SY	H	6.3	400	165	22	1.0	100	5	6800	55	8000				7CH			
6JK8	TRI	DIS	T6	RFA	S _{CO}	SY	H	6.3	400	200	22	2.0	135	10	13000	70	5400	3.00	1.00	9AJ				
6JL6	S	PND	SIN	T5	IFA	S _{CO}	SY	H	6.3	350	275	2.5	125	12	15500	12	120K	9.30	2.5	7CM				

NUMERICAL LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND TYPE	BULB	USE CHAR	TUBE REG	K TYPE	TYPICAL FILAMENT CHARACTERISTICS			MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			CAPACITANCE OF ARADS OUT					
							V	MA	W	V	MA	W	E _B V	I _R MA	G _M UMHO	MU	R _P OHMS	PICOFARADS IN			
6JL8		TRI	PND	T6	VA	RCD	H	6.3	750	330	2.0	150	10	4700	35	7500	2.40	0.36			
6JL8		TRI	PND	T6	PA	SCD	H	6.3	750	330	5.0	300	1150	60K	11.00	4.20	9DX				
6JMG6	S	BEA	SIN	T12	HDA	RCD	GE	H	6.3	1200	770	1.75	250	70	7300	15K	16.00	7.00			
6JNG6	S	REA	SIN	T12	HDA	RCD	GE	H	6.3	1200	770	1.75	250	70	7300	15K	16.00	7.00			
6JNB8	S	TRI	PND	T6	OSC	SRC	GE	H	6.3	450	300	2.5	125	14	8500	46	5400	3.20			
6JNB8	S	PND	TRI	T6	VA	SRC	GE	H	6.3	450	300	1.25	12	7500	200K	5.50	3.40	9FA			
6JS6A	S	BEA	SIN	T12	HDA	RCD	GE	H	6.3	2250	990	3.15	28.0	125	11300	5600	24.00	10.00	12FY		
6JT6A	S	TRI	PND	T9	VA	SCD	SY	H	6.3	1200	725	330	1.0	250	2	2700	100	37K	15.00		
6JT8	S	PND	TRI	T9	I _{FA}	SRC	SY	H	6.3	725	330	4.0	200	17	20000	50K	13.00	3.00	9DX		
6JU6	S	REA	SIN	T12	HDA	HIP	RC	H	6.3	1600	770	275	17.0	130	45	7000	18K	22.00	9.00	90L	
6JU8A	S	D10	QUA	T6	DET	SCD	AM	H	6.3	600	300	54	9	200	4	4000	70	18K	3.00	9PQ	
6JV8	S	TRI	PND	T6	I _{FA}	SCD	*TS	H	6.3	600	330	1.1	200	22	10700	150K	8.00	2.00	9DX		
6JW6	S	PND	SIN	T6	VHF	SRC	AM	H	6.3	600	330	4.0	200	28	36000	50K	16.00	5.00	9PU		
6JW8	S*	TRI	PND	T6	HDO	SCD	AM	H	6.3	430	250	10	1.4	200	4	3500	70	3500	70	9DC	
6JW8	S+	TRI	PND	T6	I _{FA}	SCD	AM	H	6.3	430	250	15	1.2	100	6	5500	9000	24.00	8.50	9DC	
6JZ6	S	BEA	SIN	T1?	HDA	RCD	GE	H	6.3	1500	770	230	18.0	130	46	9000	11K	2.20	0.70	12GD	
6JZ8	S	TRI	PND	T9	VDO	SRC	GE	H	6.3	1200	250	20	1.0	150	33	1900	22	12K	11.00	12DZ	
6JZ8	S	PND	TRI	T9	VDA	RCD	GE	H	6.3	1200	250	7.0	120	46	7100	12K	11.00	7.00	12DZ		
6K66T	S	BEA	SIN	T9	PA	RCD	*HY	H	6.3	450	315	8.5	250	33	2300	90K	3.50	6.00	7S		
6K7GT	S	PND	SIN	T9	VA	RCD	*HY	H	6.3	300	300	2.8	250	10	1600	600K	4.60	12.00	7R		
6K11	S	TRT	T9	GEN	GEN	SCD	GE	H	6.3	600	330	20	0.3	250	1	1600	100	62K	12.8Y		
6KA8	S	TRI	PND	T6	I _{FA}	SCD	RC	H	6.3	600	300	1.1	200	4000	70	18K	4400	100K	9PV		
6KA8	S	PND	TRI	T6	GA	SCD	RC	H	6.3	600	300	2.0	150	4	4400	125K	5.00	3.40	9DC		
6Kn8	S	TRI	PND	T6	VHF	SCD	SY	H	6.3	400	330	2.5	125	14	7500	40	2.80	1.50	9AE		
6KD8	S	PND	TRI	T6	MIX	SCD	SY	H	6.3	400	330	3.0	125	10	5000	200K	5.00	2.60	9AE		
6KE6	S	BEA	SIN	T1?	HDA	RCD	RA	H	6.3	1500	770	230	18.0	130	50	9100	11K	22.00	9.00	12GM	
6KF8	S*	TRI	PND	T6	OSC	SRC	RC	H	6.3	400	280	20	1.25	13	8000	40	5000	2.40	2.00	9DC	
6KE8	S+	PND	TRI	T6	MIX	SCD	RC	H	6.3	400	280	20	125	10	12000	125K	5.00	3.40	9DC		
6Kf8	S	PND	TWN	T6	VHF	SCD	RA	H	6.3	300	300	12	1.1	100	3	1800	40	2.80	3.00	9FG	
6KL8	S	OBS	D10	PND	T6	DET	VAC	RC	H	6.3	300	300	1.0	100	1	4300	550K	6.00	5.00	9LQ	
6KL8	S	OBS	D10	PND	T6	I _{FA}	SCD	RC	H	6.3	300	300	1.0	140	80	9500	6000	22.00	9.00	9QG	
6KM6	S	REA	SIN	T12	HDA	TET	HF	RC	H	6.3	1600	770	275	20.0	125	10	20000	60K	13.00	4.40	9DX
6KM8	S	D10	TET	T6	HF	SCD	RC	H	6.3	300	330	1.0	100	4	3400	30K	44.00	18.00	12GU		
6KN8	S	BEA	SIN	T12	HDA	TWN	SY	H	6.3	3000	770	400	30.0	130	100	16000	45	2800	4.20	9AJ	
6KR8A	S	TRI	PND	T6	GEN	SCD	GE	H	6.3	750	330	2.2	110	16	16000	10400	46	4400	3.00	9DX	
6KR8A	S	PND	TRI	T6	VHF	SCD	GE	H	6.3	750	330	5.0	200	20	20000	60K	13.00	4.40	9DX		
6KS6	S	BEA	SIN	T5	DIS	SCD	GE	H	6.3	300	330	13	1.35	5	400	70	18K	4.60	7DF		
6KS8	S	OBS	TRI	T6	GEN	SCD	SY	H	6.3	833	330	1.1	200	4	4000	9500	150K	3.20	1.80	9DX	
6KS8	S	OBS	PND	T6	AFA	SCD	SY	H	6.3	600	330	3.8	150	20	18000	160K	17	18000	3.60	9DX	
6KT6	S	PND	SIN	T6	I _{FA}	SCD	RC	H	6.3	300	330	3.1	170	17	18000	160K	250	3.00	9PM		
6KT8	S	TRI	PND	T6	VA	SCD	SY	H	6.3	600	330	1.0	250	2	3200	100	32K	3.20	1.60	9OP	

NUMERICAL LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND TYPE	BULB	USE	TURE CHAR	REG	K TYPE	TYPICAL FILAMENT			MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			CAPACITANCE			EIA BASE NO.						
								V	MA	W	V	MA	W	EB	IB MA	GM	MU	RP	PICODARADS IN	PICODARADS OUT						
																		OHMS								
6KTA	PND	TRI	T6	IFA	SRC	SY	H	6.3	600	330	2.5	125	12	10000	150K	7.50	2.20	90P	22.00	9.00	90U					
6KV6	S	REA	SIN	T12	PA	RC	H	6.3	1600	770	275	20.0	140	80	95000	60000	18K	2.50	2.40	12.50	2.40	9DX				
6KV8	S	TRI	PND	T6	GEN	SRC	RC	H	6.3	775	300	1.0	200	4	4000	70	1.4	200	1.4	3500	13.00	4.80	9DX			
6KV8	S	PND	TRI	T6	SCO	RC	H	6.3	775	300	5.0	200	19	230000	40K	14.00	14.00	14.00	14.00	6.00	6.00	9GK				
6KY6	S	PND	SIN	T6	RFA	SCO	RC	H	6.3	520	330	9.0	200	30	300000	40K	14.00	14.00	14.00	14.00	6.00	6.00	9GK			
6KY8	S	TRI	BEA	T9	VDO	SCO	RC	H	6.3	1100	330	22	1.5	250	1	1600	64	40K	15.00	7.00	90T	2.60	2.28	90T		
6KY8	S	BEA	TRI	T9	VDA	SRC	RC	H	6.3	1100	300	6.0	12.0	135	39	84000	18K	54000	3.20	1.80	9FZ	54000	3.20	1.80	9FZ	
6KZ8	S	TRI	PND	T6	OSC	GE	H	6.3	450	330	2.5	125	14	85000	46	200K	5.50	5.50	5.50	3.40	3.40	9FZ				
6KZ8	S	PND	TRI	T6	MIX	SCO	GE	H	6.3	450	330	2.5	125	12	7500											
6L6WG8	S*	REA	SIN	T12	PA	RCO	SY	H	6.3	900	360	19.0	350	6.6	5200	33K	11.50	9.50	7S	6000	1.90	1.80	9DX			
6LB8	S	TRI	PND	T9	VA	SCO	SY	H	6.3	725	330	2.0	125	13	5000	30	6000	12.00	3.00	3.00	12.00	3.00	3.00	9DX		
6LB8	S	TRI	PND	T9	PA	SCO	SY	H	6.3	725	330	4.0	200	17	20000	50K	14.00	14.00	14.00	14.00	2.20	2.20	9GY			
6LC8	S	PND	TRI	T6	GA	SRC	RC	H	6.3	600	300	1.1	4	4400	70	18K	2.80	2.80	2.80	2.80	2.80	2.80	9GY			
6LC8	S	PND	TRI	T6	GA	SCO	RC	H	6.3	600	300	2.0	4	4400	70	100K	10.00	10.00	10.00	10.00	10.00	10.00	9GY			
6LE8	PND	TWN	T6	AFA	SCO	RA	H	6.3	760	300	2.0	100	8	5800	50K	15.50	3.70	90Z	200K	18K	3.20	1.80	90Z			
6LF8	TRI	PND	T6	AFA	SCO	RC	H	6.3	600	330	1.1	200	4	4000	70	200K	10.00	10.00	10.00	10.00	10.00	10.00	9GX			
6LF8	TRI	PND	T6	OSC	SRC	SY	H	6.3	400	280	2.0	125	13	80000	40	50000	2.40	2.40	2.40	2.40	2.40	2.40	9GX			
6LJ8	PND	TRI	T6	MIX	SCO	SY	H	6.3	400	280	2.0	125	12	130000	125K	5.50	3.40	3.40	3.40	3.40	3.40	9GF				
6LM8	TRI	PND	T6	VA	SRC	RC	H	6.3	450	125	330	2.5	125	14	8500	46	54000	3.20	1.90	5.50	3.80	3.80	9AE			
6LM8	TRI	PND	TRI	T6	GA	SRC	RC	H	6.3	450	125	3.50	125	12	6000	150K	150K	150K	150K	150K	150K	9AE				
6LN8	S	TRI	PND	T6	CON	SCO	AM	H	6.0	450	250	1.4	1.5	100	14	5000	20	5000	2.50	2.50	2.50	2.50	2.50	2.50	9DC	
6LN8	S	TRI	PND	T6	CON	SCO	AM	H	6.0	450	250	1.4	1.7	170	10	6200	-	4000K	5.50	5.50	5.50	5.50	5.50	5.50	9DC	
6LQ8	S	TRI	PND	T6	VA	SRC	RC	H	6.3	775	300	2.0	125	15	10400	46	4400	4.20	4.20	4.20	4.20	4.20	4.20	9DX		
6LQB	S	PND	TRI	T6	AFA	SCO	RC	H	6.3	775	300	5.0	200	20	230000	75K	14.00	4.80	9DX	3600	58	16K	6.50	6.50		
6LR8	TRI	BEA	T12	OSC	SCO	SY	H	6.3	175	400	3.0	2.5	250	2	3600	58	16K	1.60	1.60	1.60	1.60	1.60	1.60	9GT		
6LR8	TRI	BEA	T12	VDA	RCO	SY	H	6.3	1500	400	75	14.0	135	5.6	9300	12K	12K	16.00	9.00	9.00	9.00	9.00	9.00	9GT		
6LT8	DWD	PND	T6	AFD	GE	H	6.3	600	300	5	20	10400	10	130000	200K	11.00	3.60	3.60	3.60	3.60	3.60	9RL				
6LT8	DWD	T6	VDO	SCO	SY	H	6.3	1500	400	3.0	2.5	250	2	3600	58	16K	7.00	2.00	12DZ	7.00	2.00	12DZ				
6LU8	TRI	PND	T12	VDO	SCO	SY	H	6.3	1500	400	75	14.0	135	5.6	9300	12K	12K	16.00	9.00	9.00	9.00	9.00	9.00	9GT		
6LU8	TRI	PND	T12	VDA	HDO	SCO	AM	H	6.0	450	250	1.0	1.4	200	6	3500	70	5500	1.2	1.2	1.2	1.2	1.2	1.2	9DC	
6LU8	TRI	PND	T12	VDA	HDO	SCO	AM	H	6.0	450	250	1.0	1.5	150	1	1700	100	59K	2.60	2.60	2.60	2.60	2.60	2.60	9DC	
6LY8	S	PND	TRI	T6	VHF	SCO	GE	H	6.3	750	330	5.0	200	20	200000	60K	13.00	4.40	9DX	13.00	4.40	4.40	4.40	4.40	4.40	9DX

NUMERICAL LISTING - CONTINUED

TUBE TYPE NUMBER	CDDE	KIND	TYPE	BULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT V			MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			EIA BASE NO.			
									V	MA	W	V	MA	W	E8 V	IB MA	GM	MU	RP DHMS		
6M11		TTR	PND	T9		SCO	GE	H	6.3	750	330	2.2	125	7	7000	70	10K	3.40	0.80	12CA	
6M11		PND	TTR	T9		SCO	GE	H	6.3	750	330	3.1	125	11	13000	40	200K	12.00	2.60	12CA	
6MB8		TRI	PND	T6	RFA	SRC	SY	H	6.3	400	280	2.0	125	13	8000	40	5000	0.22	0.19	9FA	
6MR8		PND	TRI	T6	RFA	SCO	SY	H	6.3	400	280	2.0	125	10	12000	12	125K	5.50	3.40	9FA	
6MD8		TRI	TRI	T9	CH	RCO	RC	H	6.3	900	330	2.5	3.0	250	12	31000	17	5500	3.50	9RQ	
6MF8		SHB	SIN	T6	DET	SRC	GE	H	6.3	300	400	3.0	2.0	250	14	4400		6.00		9RU	
6MG8	S	TRI	PND	T6	RFA	SRC	TD	H	6.3	450	330	1.4	2.5	150	18	8500	40	5000	2.90	1.60	9DC
6MG8	S	PND	TRI	T6	RFA	SRC	TD	H	6.3	450	330	1.4	2.0	170	10	6200	400K	4000	5.50	3.80	9DC
6Q11	S	TRT	TRT	T9	CDN	SRC	*TS	H	6.3	600	330	3.0	150	22	2500	18	7000	1.90	1.70	12BY	
6Q11	S	TRT	TRT	T9	GA	SCO	*TS	H	6.3	600	330	2.50	1	1600	100	62K	1.80	1.80	12BY		
6S4A		TRI	SIN	T6	VA	RCO	RC	H	6.3	600	500	105	1.0	250	26	4500	16	3600	4.20	0.90	9AC
6SA7GT	S	PTG	SIN	T9	CDN	SCO	*TS	H	6.3	300	300	14	1.0	250	4	1300	70	53K	1M	8.00	11.00
6SC7GT ^Y	S	TRI	TWN	MT8	AFA	SCD	RC	H	6.3	300	250	2.50	2	250	6	3600	1M	9.00	3.00	8S	
6SD7GT	ORS	PND	SIN	T9	RFA	SRC	*TS	H	6.3	300	300	4.0	250	1					7.50	BN	
6SF7	DBS	DIO	PND	MT8	DET	VAC	RC	H	6.3	300	300	3.0	250	1						7AZ	
6SF7	DBS	PND	DID	MT8	AFA	RCO	RC	H	6.3	300	300	3.5	250	12	2000	700K	700K	5.50	6.00	7AZ	
6SG7	S	PND	SIN	MT8	IFA	RCO	RC	H	6.3	300	300	3.0	250	12	4700	900K	900K	8.50	7.00	BBK	
6SH7GT	S	PND	SIN	T9	RFA	SCO	*TS	H	6.3	300	300	3.0	250	11	4900	900K	900K	8.50	7.00	BBK	
6SJ7WGT	S+	PND	SIN	MT8	RFA	SRC	RC	H	6.3	300	300	2.5	250	3	1600	1M	6.00	7.00	BN		
6SK7WA	S	PND	SIN	MT8	RFA	RCO	RC	H	6.3	300	330	3.3	250	9	2000	800K	800K	5.00	7.00	BN	
6SL7WGT	S+	TRI	TWN	T9	VA	SCO	RC	H	6.3	300	250	1.0	250	2	1600	70	44K			BBD	
6SN7GBT	S+	TRI	TWN	T9	GEN	RCO	RC	H	6.3	600	450	70	5.0	250	9	2600	20	7700	2.20	0.70	BBD
6SU7GT		PWD	TRI	T9	DET	VAC	*HY	H	6.3	300	300	3.0	250	1						80	
6SQ7GT		TRI	DWD	T9	VA	SCO	*HY	H	6.3	300	300	0.5	250	1	1200	100	85K	4.20	3.40	8Q	
6SU7GY	DRS	TRI	TWN	T9	RFA	SCO	*TS	H	6.3	300	250	1.0	250	2	1600	70	44K			BBD	
6T4	S	TRI	SIN	T5	UHF	SRC	SY	H	6.3	225	200	30	3.5	80	18	7000	13	1860	2.90	0.25	7DK
6T8A	S	TRD	TRI	T6	DET	HIP	GE	H	6.3	450	450	1.0	250	5	1200	70	58K	1.60	1.10	9E	
6T8A	S	TRI	TRU	T6	AFA	SCO	GE	H	6.3	450	300	1.5	250	2	2100	8	45K	3.40	1.10	12FM	
6T9		TRI	PND	T9	AFA	GE	H	H	6.3	930	300	1.20	250	39	6500	100K	1100	11.00	12FM		
6T9		PND	TRI	T9	PA	GE	H	H	6.3	930	275	12.0	250	1							
6T10	S	PND	DIS	T9	AFA	GE	H	H	6.3	950	275	10.0	250	39	6500	100K	11.00	10.00	12EZ		
6T10	S	PND	DIS	T9	DET	GE	H	H	6.3	950	330	1.7	150	1	1000					12EZ	

NUMERICAL LISTING • CONTINUED

TUBE TYPE NUMBER	CONE	KIND	TYPE	BULB	USE	TUBE CHAR	REG	K	TYPICAL FILAMENT TYPE			MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			CAPACITANCE PICOFARADS						
									V	MA	W	V	MA	W	EB	IR	GM	MU	RP	OHMS	IN	OUT		
6U8A	S	TRI	PND	T6	OSC	SRC	GE	H	6.3	450	300	2.7	150	18	8500	40	5000	2.50	0.40	9AE				
6U8A	S	PND	TRI	T6	MIX	SRC	GE	H	6.3	450	300	2.8	250	10	5200	5.00	4000K	5.00	2.00	9AE				
6U9	S	TRI	PND	T6	GEN	SRC	AM	H	6.3	410	250	18	100	14	5000	1.7	2.50	3.00	10K					
6U9	S	PND	TRI	T6	IFA	SRC	AM	H	6.3	410	250	18	2.1	160	13	12000	6.50	3.50	10K					
6U10	S	TRT	T9	GEN	SCD	GE	H	6.3	600	330	20	1.0	200	1	1600	98	61K		12FE					
6U10	S	TRT	T9	GEN	SRC	GE	H	6.3	600	330	20	2.0	200	10	2300	18	7700	1.70	12FE					
6V3A	S	DIO	SIN	T6	DA	VAC	#PL	H	6.3	1750	6K	800	2.7	13	135	47	4100	50K	9.00	7.50	9BD	7S		
6V6GTA	S	REA	SIN	T9	PA	RCA	#HY	H	6.3	450	315	12.0	250	200	4.0	200	47	8000	28K	15.00	9.00	4CG	7S	
6W4GTA	S+	DIO	SIN	T9	DA	VAC	GE	H	6.3	1200	4K	840	4.0	13	140	47	8000							
6W6GT	S	BEA	SIN	T9	PA	RCA	#HY	H	6.3	1200	300	180	10.0	200	200	4.0	200	47						
6X4WA	S	DIO	TWN	T5	REC	VAC	#TS	H	6.3	600	1K	230	325	70										
6X5GT	S+	DIO	TWN	T9	REC	VAC	#HY	H	6.3	600	1K	210	325	70										
6X8A	S	PND	T6	OSC	SRC	GE	#TS	H	6.3	450	250	1.5	100	8	5800	40	6900	2.00	0.50	6S				
6X8A	S	PND	TRI	T6	MIX	SRC	GE	H	6.3	450	250	2.0	250	8	4600	8	750K	4.30	0.70	9AK				
6X9	S	TRI	PND	T6	GEN	SCD	GE	H	6.3	410	275	1.8	1.8	170	8	4800	55	2.50	3.00	10K				
6X9	S	PND	TRI	T6	IFA	SCD	GE	H	6.3	410	250	18	2.4	160	13	14000								
6Y6GA	S	BEA	SIN	T12	PA	RCA	SY	H	6.3	1250	200	12.5	200	66	7100									
6Y9	S	PND	DIS	T6	AFA	SCD	AM	H	6.3	800	250	60	170	30	21000									
6Y9	S	PND	DIS	T6	DIS	SCD	AM	H	6.3	800	275	16	1.8	150	10	8500								
6Y10	S	PND	DIS	T9	PA	#TS	H	6.3	830	300	30	4.8	250	16	8400									
6Y10	S	PND	DIS	T9	DET	SCD	#TS	H	6.3	830	300	20	1.7	150	4	3700								
6Z10	S	PND	GTB	T9	AFA	GE	H	6.3	950	275	10.0	250	35	6500	100K	100K	11.00	7.50	12BT					
6Z10	S	GTB	PND	T9	DIS	GE	H	6.3	950	330	1.3	1.35	5	400			4.40	12BT	12BT					

NUMERICAL LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND TYPE	BULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT V	MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			CAPACITANCE PICOFARADS IN OUT	EIA BASE NO.					
									V	MA	W	E _B V	I _B MA	G _M UMHO	R _P OHMS						
7AU7	S	TRI	TWN	T6	AFA	R _{CO}	GE	H	7.0	300	6.0	2.8	250	10	2200	17	7700	1.60	0.40	9A	
7D ₁ 8		TRI	TWN	T6	CA	S _{RC}	RE	H	7.0	300	130	2.5	1.8	90	15	12500	33			9AJ	
7EK7	S	TRI	TWN	T6	OSC	S _{CO}	AE	H	7.0	300	250	1.6	2.0	90	15	9000	26			9DD	
7ES8	S	TRI	TWN	T6	CA	S _{RC}	RE	H	7.2	300	130	2.2	1.8	90	15	12500	2500			9AJ	
7EY6		REA	SIN	T9	VDA	R _{CO}	GE	H	7.2	600	350	180	11.0	250	44	4400	60K	8.50	7.00	7S	
7FC7		TRI	TWN	T6	CA	S _{CO}	MU	H	7.2	300	130	2.2	1.8	90	15	12000		6.30	4.50	9DD	
7GS7		TRI	PND	T6	OSC	S _{CO}	MU	H	7.6	300	125	1.5	1.5	100	14	5500	17			9GF	
7GS7		PND	TRI	T6	RFA	S _{CO}	MU	H	7.6	300	250	1.8	1.7	170	10	12000				9GF	
7GV7		TRI	PND	T6	OSC	A _E	H	H	7.4	300	250	1.5	2.0	100	14	5500	17			9KN	
7GV7		PND	TRI	T6	VHF	A _E	H	H	7.4	300	250	1.8	2.0	125	10	3100				9KN	
7HG8	S	TRI	PND	T6	OSC	S _{CO}	MU	H	7.2	300	125	1.5	1.5	100	14	6000	17	350K	6.00	3.60	9HP
7HG8	S	PND	TRI	T6	CON	S _{CO}	MU	H	7.2	300	250	1.8	2.0	150	10	12000	30000	40K	14.00	6.00	9MP
7KY6		PND	SIN	T6	RFA	S _{CO}	RC	H	7.3	450	330	9.0	200	30	30000					9GK	
8A8		TRI	PND	T6	GEN	S _{CO}	MU	H	8.4	300	250	1.4	1.5	100	14	5000	20		2.50	1.80	9DC
8A8		PND	TRI	T6	GEN	S _{CO}	MU	H	8.4	300	275	1.5	1.9	170	10	6200			5.50	3.80	9DC
8AC9		DWD	PND	T9	DET	VAC	SY	H	8.4	450	330	2.5	1.2	10000						12GN	
8AC9		PND	DWD	T9	IFA	S _{CO}	SY	H	8.4	450	600	3.1	125	11	10500						12DH
8AR11	S	PND	TWN	T9	IFA	R _{CO}	GE	H													
8AUBA	S	TRI	PND	T6	GEN	S _{CO}	SY	H	8.4	450	300	2.5	150	9	4900	40	8200	2.60	0.34	9DX	
8AUBA	S	PND	TRI	T6	GEN	S _{RC}	SY	H	8.4	450	300	3.0	200	15	7000		150K	7.50	3.40	9DX	
8AWBA	S	TRI	PND	T6	VA	S _{CO}	SY	H	8.4	450	300	1.0	200	4	4000	70	18K	3.20	0.32	9DX	
8AWBA	S	PND	TRI	T6	VHF	S _{RC}	SY	H	8.4	450	300	3.2	200	13	9000		400K	10.00	3.60	9DX	
8B10		DWD	TTR	T9	DET	VAC	GE	H	8.5	450		5									12BF
8B10		TTR	DWD	T9	OSC	R _{CO}	GE	H	8.5	450	330	20	3.0	250	10	2500	18	7200			12BF
8BABA	S	TRI	PND	T6	VA	S _{RC}	RA	H	8.4	450	300	2.0	200	8	2700	18	6700	2.50	0.40	9DX	
8BABA	S	PND	TRI	T6	VHF	S _{RC}	RA	H	8.4	450	300	3.2	200	13	9000		400K	10.00	3.60	9DX	
8BA11		TRI	TWP	T9	VDO	R _{CO}	SY	H	8.4	450	300	20	1.5	250	5	1800	18		2.00	1.90	12ER
8BA11		TWP	TRI	T9	CH	S _{CO}	SY	H	8.4	450	300	12	1.1	100	2	1700			6.00	3.00	
8BH8	S	TRI	PND	T6	GEN	S _{RC}	GE	H	8.4	450	300	2.5	150	10	3300	17	5150	2.60	0.38	9DX	
8BH8	S	PND	TRI	T6	GEN	S _{RC}	GE	H	8.4	450	300	3.0	200	15	7000		150K	7.00	2.40	9DX	
8BM11		TRI	DIS	T9	IFA	S _{RC}	GE	H	8.4	450	160	2.2	125	14	8800		220K	6.50	2.40	12FU	
8BM11		PND	DIS	T9	IFA	S _{CO}	SY	H	8.4	450	160	2.2	125	9	8500		300K	7.50	2.60	12FU	
8BN8		TRI	DWD	T6	VHF	S _{CO}	SY	H	8.4	450	300	1.5	250	2	2500	70	28K	3.60	0.32	9ER	
8B005		BEA	SIN	T6	PA	S _{RC}	AM	H	8.0	600	300	65	12.0	250	50	11300		38K	10.80	6.50	9CV
8B011	S	PND	TWN	T9	IFA	R _{CO}	GE	H	8.4	600	330	3.1	125	11	10500		200K	10.00	2.80	12DM	
8B011	S	TTR	PND	T9	IFA	R _{CO}	GE	H	7.8	600	330	1.8	125	14	8600		43	5000	3.10	1.80	12PP
8BU11		PND	TTR	T9	SRC	GE	H	H	7.8	600	330	2.5	125	12	7500		200K	5.00	2.40	12PP	
8CG7	S	TRI	DIS	T6	GEN	R _{CO}	GE	H	8.4	450	300	2.0	3.5	250	9	2600	20	7700	2.30	2.20	9AJ
8CM7		TRI	DIS	T6	VDA	R _{CO}	GE	H	8.4	450	500	70	5.5	250	20	4400	18	4100	3.50	0.40	9ES
8CM7		TRI	DIS	T6	VDO	S _{RC}	GE	H	8.4	450	500	70	1.2	200	5	2000		5	2.00	0.50	9ES
8CN7		DWD	TRI	T6	DET	VAC	GE	H	8.4	225									5	3.60	9EN

NUMERICAL LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USE	TUBE REG	CHAR	REG TYPE	K FILAMENT	MAXIMUM PLATE CHARACTERISTICS				TYPICAL CHARACTERISTICS				CAPACITANCE PICOFARADS IN OUT		EIA BASE NO.		
										V	MA	W	V	MA	W	V	MA	W	V	MA	W	
8CN7	TRI	DWD	T6	VA	SCO	GE	H	8-4	225	300	1-0	250	1	1200	70	58K	1-50	0-50	9EN			
BCS7	TRI	DIS	T6	VDA	RCO	SY	H	8-4	450	500	105	6-5	250	19	4500	16	3450	3-00	0-50	9EF		
BCS7	TRI	DIS	T6	VDO	RCO	SY	H	8-4	450	500	70	1-2	250	10	2200	17	7700	1-80	0-50	9EF		
BCW5	PND	SIN	T6	AFA	SRC	RE	H	8-0	600	275	110	14-0	200	60	8800	23K			9CV			
BCX8	TRI	PND	T6	GEN	SCO	GE	H	8-0	600	330	2-0	150	9	4600	40	8700	2-20	0-38	9DX			
8CX8	PND	TRI	T6	VHF	SRC	GE	H	8-0	600	330	5-0	200	24	10000	70K	9000	4-40	0-40	9DX			
8ER8	S	TRI	PND	T6	VA	SCO	SY	8-0	600	330	1-0	250	2	2700	100	37K	2-40	0-36	9DX			
8EH8	S	PND	TRI	T6	VHF	SRC	SY	8-0	600	330	5-0	200	25	12500	75K	11000	4-20	0-40	9DX			
8EM5	REA	SIN	T6	PA	RCO	RC	H	8-4	600	315	210	10-0	250	35	5100			5-10	0HN			
8ET7	PND	PND	T6	DET	VAC	SY	H	8-0	600			2				1-50	7-50	9LT				
8ET7	PND	DWD	T6	RFA	SCO	SY	H	8-0	600	330	5-0	200	25	11500	60K	10000	4-20	0-20	9LT			
8F07	S	TRI	TWN	T6	GEN	RCO	RC	8-4	450	330	22	4-0	250	9	2600	20	7700		9LP			
8GJ7	S	PND	TRI	T6	OSC	AM	AM	8-2	300	140	22	1-0	100	15	9000	20			9QA			
8GJ7	S	PND	TRI	T6	MIX	AM	AM	8-2	300	275	20	2-4	170	10	11000	350K	6-20	3-50	9QA			
8GK6	PND	SIN	T6	AFA	SRC	RA	H	8-0	600	440	13-2	250	48	11300	38K	10-00	7-00	9GK				
8GN8	S	TRI	PND	T6	VA	SCO	SY	8-0	600	330	1-0	250	2	2700	100	37K	2-40	0-36	9DX			
8GN8	S	PND	TRI	T6	IFA	SRC	SY	8-0	600	330	5-0	200	25	11500	60K	11-00	4-20	0-40	9DX			
8GU7	S	TRI	TWN	T6	VDO	RCO	SY	8-4	450	330	3-0	250	12	3100	17	5500	3-40	0-30	9LP			
8GX7	S	PND	TRI	T6	OSC	SCO	WH	7-7	300	275	20	1-5	125	13	8500	40	4700	2-30	1-90	9QA		
8GX7	S	PND	TRI	T6	MIX	SCO	WH	7-7	300	275	20	2-2	125	8	11000	2000K	5-40	3-30	9QA			
8HA6	PND	SIN	T6	PA	SCO	RA	H	8-0	600	300	8-0	150	28	20000	17	20K	13-00	8-00	9NW			
8HG8	TRI	PND	T6	OSC	SCO	MU	H	8-0	300	125	15	1-5	100	14	6000	17	350K	6-00	3-60	9MP		
8HG8	S	PND	TRI	T6	CON	SCO	MU	8-0	300	250	18	2-0	150	10	12000	4200	70	140K	10-00	3-60	9DX	
8JE8	S	TRI	PND	T6	VA	*PPL	H	8-2	600	300	1-0	200	22	12000	22							
8JE8	S	PND	TRI	T6	VHF	SRC	*PPL	8-2	600	330	5-0	250										
8JK8	TRI	DIS	T6	OSC	SCO	SY	H	8-4	300	200	22	1-0	100	5	6800	55	8000	5-00	4-00	9AJ		
8JK8	TRI	DIS	T6	RFA	SCO	SY	H	8-4	300	200	2-0	135	10	13000	70	5400	3-00	1-00	9AJ			
8JL8	S	TRI	PND	T6	VA	RCO	RA	8-0	600	330	2-0	150	10	4700	35	7500	2-40	0-40	9DX			
8JL8	S	PND	TRI	T6	PA	SCO	RA	8-0	600	330	5-0	300	2	11500	60K	11-00	4-20	0-40	9DX			
8JT8	TRI	PND	T6	T9	VA	SCO	SY	7-7	600	330	1-0	200	22	2700	100	37K	1-70	1-60	9DX			
8JT8	PND	TRI	T6	IFA	SCO	SY	H	7-7	600	330	4-0	200	17	20000	50K	13-00	3-00	9DX				
8KA8	S	TRI	PND	T6	IFA	SCO	RC	8-4	450	300	1-1	200	4	4000	70	18K			9PV			
8KA8	S	PND	TRI	T6	GA	SCO	RC	8-4	450	300	2-0	150	4	4400	100K	150K	8-00	3-20	9DX			
8JUBA	S	DIO	QUA	T6	GEN	VAC	GE	8-4	450	300	54		9									
8JV8	TRI	PND	T6	IFA	RC	RC	H	8-5	450	330	1-1	200	4	4000	70	18K	3-00	2-00	9DX			
8JV8	PND	TRI	T6	VHF	SRC	RC	H	8-5	450	330	4-0	200	22	10700	150K	8-00						
8KS8	OBS	PND	T6	GEN	SCO	SY	H	8-4	450	330	1-1	200	4	4000	70	18K	3-20	1-80	9DX			
8KS8	DBS	PND	TRI	T6	AF4	SRC	SY	8-4	450	330	3-8	150	20	9500	150K	10-00	3-60	9PV				
8SN7GTR	S	TRI	TWN	T9	GEN	RCO	RC	8-4	450	450	70	5-0	250	9	2600	20	7700	2-20	0-70	8BD		
8LC8	S	TRI	PND	T6	GA	SCO	RC	8-4	450	300	1-1	200	4	4000	70	18K	2-80	2-20	9QY			
8LC6	S	PND	TRI	T6	GA	SCO	RC	8-4	450	300	2-0	200	4	4400	100K	10-00			9QY			
8LE8	PND	TWN	T6	GA	SCO	RA	H	8-0	600	300	2-0	100	5	5800	50K	15-50	3-70	9QZ				
8LT8	DWD	PND	T6	HDA	VAC	GE	H	8-1	450	300	10	20	5					1-40	9RL			
8LT8	DWD	PND	T6	AFD	SCO	GE	H	8-1	450	330	3-1	125	10	13000	10-00	2000K	1-60	3-80	9RL			
8U9	TRI	PND	T6	GEN	SCO	AM	H	8-0	300	250	18	1-0	14	50000	14	50000	17	3-00	1-00			

NUMERICAL LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND TYPE	BULB	USE	TUBE CHAR	REG TYPE	K TYPICAL FILAMENT TYPE	MAXIMUM PLATE CHARACTERISTICS				TYPICAL CHARACTERISTICS				CAPACITANCE PICOFARADS IN OUT	EIA BASE NO.						
								V	MA	W	EB V	TB MA	GM UMHO	MU	RP OHMS								
												E	B	V	W								
8U9	S	PND	TRI	T6	IFA	SRC	AM	H	8.0	300	250	1.8	2.1	160	13	12000	6.50	3.00	10K				
8X9	S	PND	TRI	T6	GEN	SCO	GE	H	8.0	300	275	1.8	1.8	170	8	4800	2.50	3.00	10K				
8X9	S	PND	TRI	T6	IFA	SCO	GE	H	8.0	300	250	1.8	2.4	160	13	14000	6.50	3.50	10K				
9AB	S	TRI	PND	T6	GEN	SCO	RE	H	9.0	300	250	1.4	1.5	100	14	5000	20	2.50	1.80				
9AB	S	TRI	PND	T6	GEN	SCO	RE	H	9.0	300	275	1.5	1.9	170	10	6200	5.50	3.80	9DC				
9AU7	S	TRI	TWN	T6	AFA	RCO	GE	H	9.4	225	300	2.8	2.50	10	2200	17	7700	1.60	0.40	9A			
9B11	S	PND	DIS	T9	IFA	SCO	GE	H	9.6	450	160	2.8	110	6	7500	40K	9.50	3.40	12FU				
9B11	S	PND	DIS	T9	IFA	SCO	GE	H	9.6	450	160	2.2	125	8	9600	400K	8.50	3.00	12FU				
9BR7	S	TRI	PND	T6	DFT	HIP	#PL	H	9.4	300	60	5	17	17	1.80				9CF				
9BR7	S	TRI	DWD	T6	GEN	SRC	#PL	H	9.4	300	300	2.5	250	10	4000	60	11K	2.60	0.30	9CF			
9CGBA	S	TRI	PND	T6	OSC	SRC	TO	H	9.5	300	250	1.5	100	8	5800	40	6900	2.60	0.35	9GF			
9CGDA	S	TRI	T6	MIX	SCO	TO	SY	H	9.5	300	250	2.0	250	8	4600	750K	4.80	0.90	9GF				
9C13	S	TRI	TET	T6	OSC	SRC	SY	H	9.5	300	300	2.7	125	15	8000	40	5000	2.70	0.40	9FX			
9CL8	S	TEST	TRI	T6	MIX	SRC	SY	H	9.5	300	300	2.8	125	12	5800	100K	5.00	2.00	9FX				
9E18	S	TRI	PND	T6	OSC	SRC	GE	H	9.5	300	330	3.0	150	18	8500	40	5000	3.00	0.30	9AE			
9EA8	S	PND	TRI	T6	MIX	SRC	GE	H	9.5	300	330	3.1	125	12	6400	80K	5.00	2.60	9AE				
9GH8A	S	TRI	PND	T6	VA	SRC	MT	H	9.4	300	330	4.0	200	22	10700	150K	8.00	3.20	9DX				
9GH8A	S	PND	TRI	T6	OSC	SRC	MT	H	9.4	300	350	2.5	125	14	8500	46	5400	3.00	1.40	9AE			
9GV8	S	TRI	PND	T6	VA	SRC	SY	H	9.5	300	300	2.8	125	12	7500	200K	5.00	3.40	9AE				
9GV8	S	PND	TRI	T6	VA	SRC	AM	H	9.5	600	250	0.5	100	5	6500	50	7600	5.00	2.00	9LY			
9JV8	S	TRI	PND	T6	IFA	SCO	#TS	H	9.5	600	250	75	7.0	170	41	7500	25K	18K	3.00	0.30	9LY		
9JV8	S	PND	TRI	T6	VHF	SRC	#TS	H	9.5	600	330	1.1	200	4	4000	70	10700	150K	8.00	2.60	9AE		
9KC6	S	PND	SIN	T6	CH	SCO	SY	H	8.7	450	400	7.0	250	18	24000	16.50	16.50	3.00	9RF				
9K78	S	TRI	PND	T6	OSC	GE	H	9.4	300	330	2.5	125	14	8500	46	5400	3.20	0.90	9FZ				
9K78	S	PND	TRI	T6	MIX	SRC	GE	H	9.4	300	330	2.5	125	12	7500	200K	5.50	3.40	9FZ				
9U6A	S	TRI	PND	T6	OSC	SRC	GE	H	9.4	300	300	2.7	150	18	8500	40	5000	2.50	0.40	9AE			
9U8A	S	ORS	PND	TRI	T6	MIX	SRC	GE	9.4	300	300	2.8	250	10	5200	10	4000K	5.00	2.60	9AE			
10AL11	S	PND	DIS	T9	AFA	SCO	GE	H	9.8	600	330	1.7	150	1	1000	1	150K	11.00	12.00	12BU			
10AL11	S	PND	DIS	T9	DET	SCO	GE	H	9.8	600	275	10.0	250	39	6500	100K	11300	38K	10.80	6.50	9CV		
10B805	S	REA	SIN	T6	PA	SCO	SY	H	10.6	450	300	65	12.0	250	50	11300	53	4400	12K	2.40	9DA		
10CC6	S	TRI	PND	T6	GEN	SCO	GE	H	10.5	300	300	35	2.0	250	7	4400	190K	190K	7.00	2.20	9DA		
10CC6	S	PND	TRI	T6	GEN	SCO	GE	H	10.5	300	300	55	2.2	f35	12	8000	190K	190K	7.00	2.20	9DA		
10CR5	S	PND	SIN	T6	AFA	RCO	RC	H	10.6	450	275	11.0	14.0	170	70	10000	23K	12.00	6.00	9CV			
10DE7	S	TRI	DIS	T6	VDA	RCO	SY	H	9.7	600	275	175	7.0	150	35	6500	6	925	5.50	1.00	9HF		
10DE7	S	TRI	DIS	T6	VDO	RCO	SY	H	9.7	600	330	77	1.5	250	6	2000	18	8750	2.20	0.52	9HF		
10DR7	S	TRI	DIS	T6	VDA	RCO	SY	H	9.7	600	275	175	7.0	150	35	6500	6	925	5.50	1.00	9HF		
10DR7	S	TRI	DIS	T6	VDO	SCO	SY	H	9.7	600	330	70	1.0	250	1	1600	68	40K	2.20	0.34	9HF		
10DX8	S	TRI	PND	T6	PA	SCO	AM	H	10.2	450	300	12	1.0	200	3	4000	65	11000	100K	800	7.00	1.60	9HX
10DX8	S	PND	TRI	T6	PA	SCO	AM	H	10.2	450	300	4.0	170	18	11000	45	7500	6	800	7.00	1.60	88D	
10EG7	S	TRI	DIS	T9	VDA	RCO	SY	H	9.7	600	330	50	10.0	150	6	2000	18	8750	2.20	0.60	88D		
10EG7	S	TRI	DIS	T9	VDO	RCO	RC	H	9.7	600	330	22	1.5	250	50	150	50	7200	5	750	7.00	1.80	88D
10EW7	S	TRI	DIS	T9	VDA	RCO	RC	H	9.7	600	330	175	10.0	150	50	150	50	7200	5	750	7.00	1.80	88D

NUMERICAL LISTING - CONTINUED

TUBE TYPE NUMBER	CONE	KIND	TYPE	BULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT V MA			MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			CAPACITANCE PICOFARADS IN OUT				
									V	MA	W	E _B V	I _B MA	G _M UMHO	R _P OHMS	E _B V	I _B MA	G _M UMHO	R _P OHMS			
10EM7	S	TRI	DIS	T9	VDO	SCO	RC	H	9.7	600	330	77	1.5	250	1	1600	68	40K	2.20	0.60	88D	
10EW7	S	TRI	DIS	T9	VDO	RCO	SY	H	9.7	600	330	175	10.0	45	7500	6	800	7.00	1.20	9HF		
10EW7	S	TRI	DIS	T9	VDO	RCO	SY	H	9.7	600	330	77	1.5	250	6	2000	18	8750	2.20	0.40	9HF	
10FD7	ORS	TRI	DIS	T9	VDA	RCO	#PL	H	9.7	600	330	175	10.0	40	7500	6	800	6.50	1.20	9HF		
10FD7	ORS	TRI	DIS	T9	VDO	SCO	#PL	H	9.7	600	330	70	1.5	250	1	1600	64	40K	2.20	0.40	9HF	
10FR7	S	TRI	DIS	T9	VDA	RCO	SY	H	9.7	600	330	175	10.0	150	50	7200	5	750	7.50	1.20	9HF	
10FR7	S	TRI	DIS	T9	VDO	SCO	RC	SY	H	9.7	600	330	77	1.5	250	1	1600	68	40K	2.40	0.30	9HF
10GF7A	S	TRI	DIS	T9	VDA	RCO	PA	H	9.7	600	330	50	11.0	50	7200	5	750	6.50	1.40	9QD		
10GF7A	S	TRI	DIS	T9	VDO	SCO	RC	H	9.7	600	330	22	1.5	250	1	1600	64	40K	2.40	0.26	9QD	
10GK6	PND	SIN	T6	AFA	SRC	SY	H	10.6	450	440	13.2	250	48	11300	38K	10.00	10.00	7.00	7.00	9GK		
10GN8	TRI	PND	T6	VA	SCO	#TS	H	10.5	450	330	1.0	250	2	2700	100	37K	2.40	0.36	9DX			
10GN8	TRI	PND	T6	IFA	SCO	#TS	H	10.5	450	330	5.0	200	25	11500	60K	11.00	4.20	9DX				
10HA6	SIN	T6	PA	SCO	RA	SY	H	10.4	450	300	8.0	150	28	20000	20K	13.00	8.00	9NW				
10HF8	SIN	PND	T6	GEN	SRC	RC	H	10.5	450	330	1.0	200	4	4000	70	18K	2.80	2.60	9DX			
10HF8	PND	TRI	T6	GEN	SCO	RC	H	10.5	450	330	5.0	200	25	12500	75K	10.00	4.20	9DX				
10JAB	TRI	TET	T6	GEN	SCO	WH	H	10.5	450	300	1.0	200	4	4000	70	17K	2.50	0.40	9OF			
10JAB	TET	TRI	T6	IFA	SCO	WH	H	10.5	450	330	5.0	200	18	14000	70000	11.00	4.80	9OF				
10JT8	S	TRI	PND	T9	VA	SCO	SY	H	10.2	450	330	1.0	250	2	2700	100	37K	11.70	1.60	9DX		
10JT8	S	PND	TRI	T9	IFA	SCO	SY	H	10.2	450	330	4.0	200	17	20000	50K	13.00	3.00	9DX			
10JY8	TRI	BEA	T6	CON	SCO	SRC	GE	H	10.5	450	330	2.0	125	15	10400	46	4400	4.20	3.20	9DX		
10JY8	REA	TRI	T6	VHF	SRC	GE	H	10.5	450	330	5.0	200	24	11000	55K	10.00	4.60	9DX				
10KRB	TRI	PND	T6	GEN	SRC	GE	H	10.5	450	330	2.0	125	15	10400	46	4400	60K	12.00	9DX			
10KRB	PND	TRI	T6	VHF	SCO	GE	H	10.5	450	330	5.0	200	20	20000	30	6000	1.90	1.80	9DX			
10LBB	S	PND	TRI	T9	VA	SCO	SY	H	10.2	450	330	4.0	200	17	20000	50K	12.00	3.00	9DX			
10LBB	S	PND	TRI	T9	PA	SCO	SY	H	10.2	450	330	4.0	200	17	20000	30	6000	1.90	1.80	9DX		
10LE8	PND	TWN	T6	GEN	SCO	RA	H	10.0	450	300	2.0	100	8	5800	75	50K	15.50	3.70	90Z			
10LW8	TRI	PND	T6	VHF	SCO	GE	H	10.5	450	330	1.5	200	3	4000	75	19K	2.80	3.00	9DX			
10LW8	PND	TRI	T6	GEN	SCO	GE	H	10.5	450	330	4.0	200	16	19000	60K	12.00	4.40	9DX				
10LW8	TRI	PND	T6	VHF	GEN	SCO	H	10.5	450	300	1.0	250	1	2100	110	52K	2.60	3.00	9DX			
10L78	PND	TRI	T6	IFA	SCO	GE	H	10.5	450	225	4.5	200	12	9500	11	150K	9.50	4.40	9DX			
11AR11	PND	TWN	T9	IFA	SRC	GE	H	11.2	450	330	3.1	125	14	10500	70	200K	10.00	2.90	12DH			
11BM8	TRI	PND	T9	VDO	RCO	MT	H	10.7	450	250	15	100	4	2500	70	20K	2.70	4.30	9EX			
11BM8	PND	TRI	T9	IFA	SCO	GE	H	10.7	450	250	50	100	35	6400	20K	9.30	8.00	9EX				
11B011	SIN	DIS	T9	IFA	RCO	GE	H	11.2	450	330	3.1	125	11	10500	30	5400	5	200K	10.00	2.80	12DH	
11B011	PND	DIS	T9	IFA	SCO	GE	H	11.2	450	330	3.1	125	11	13000	68	52K	1.50	0.30	9EF			
11BT11	S	TDI	PND	T9	VDA	RCO	GE	H	10.7	600	330	1.5	200	7	5500	69	12K	2.80	2.00	12GS		
11BT11	S	TDI	PND	T9	VDA	RCO	GE	H	10.7	600	330	2.0	200	7	5300	40	7600	4.60	3.60	12GS		
11BT11	S	TDI	PND	T9	VHF	SCO	RC	H	10.7	600	165	3.5	150	17	19000	51K	13.00	4.60	12GS			
11CY7	TRI	DIS	T6	VDA	VHF	SCO	RC	H	11.0	450	350	5.5	150	30	5400	5	920	5.00	1.00	9EF		
11CY7	TRI	DIS	T6	VDO	VHF	SCO	SY	H	11.0	450	350	1.0	250	1	1300	68	52K	1.50	0.30	9EF		
11FY7	TRI	DIS	T9	VDA	RCO	GE	H	11.0	600	275	50	7.0	150	35	6500	6	920	6.50	1.20	12EO		
11FY7	TRI	DIS	T9	VDO	RCO	GE	H	11.0	600	330	20	1.0	250	1	1600	65	40K	2.20	0.40	12EO		
11HM7	PND	SIN	T6	VHF	SCO	RC	H	11.0	300	330	20	1.0	200	30	30000	40K	14.00	5.00	9BF			
11JE8	S	TRI	PND	T6	VA	SCO	#PL	H	10.9	450	300	1.0	200	4	4200	70	200	2.40	0.40	9DX		
11JE8	S	TRI	PND	T6	VHF	SCO	#PL	H	10.9	450	330	5.0	250	22	12000	22	1400K	10.00	3.60	9DX		

NUMERICAL LISTING - CONTINUED

TUBE NUMBER	CODE	KIND	TYPE	BULB	USE	TUBE CHAR	REG	K	TYPICAL FILAMENT			MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			EIA BASE NO.				
									V	MA	W	V	MA	W	E	B	I	GM	MU	RP	OHMS	
11KV6	S	TRI	PND	T6	GEN	RC	H	10.9	450	300	1.0	200	4	4000	70	18K	2.50	2.40	9DX	9EU		
11KV6	S	PND	TRI	T6	RFA	SCO	H	10.9	450	300	5.0	200	19	23000	75K	13.00	4.80	4.80	9DX	9EU		
11LQ8	S	TRI	PND	T6	VA	SRC	H	10.9	450	300	2.0	125	15	10400	46	4400	4.20	2.40	9DX	9EU		
11LQ8	S	PND	TRI	T6	AFA	SCO	H	10.9	450	300	5.0	200	20	23000	75K	14.00	4.80	4.80	9DX	9EU		
11Y9		PND	DIS	T6	DIS	SCO	AM	H	11.0	450	275	1.6	150	20	8500	160K	10.00	11.00	10L			
11Y9		PND	DIS	T6	AFA	SCO	AM	H	11.0	450	250	6.0	170	30	21000	40K	12.00	7.00	10L			
12A85	S	BEA	PND	SIN	T6	PA	RCO	#TS	H	12.6	200	315	250	47	4100	50K	8.00	8.50	9EU			
12AC6	OBS	PTG	SIN	T5	RFA	SCO	#TS	H	12.6	150	30	20	13	550U	700	500K	4.30	5.00	7BK			
12AD6	S	PTG	SIN	T5	CON	SCO	#TS	H	12.6	150	16	20	13	2	400K	5.50	8.00	7CH				
12AD7	OBS	TRI	TWN	T6	AFA	SCO	SY	H	12.6	225	300	1.0	250	1	1600	100	62K	1.60	0.50	9A		
12AE6A	S	NWD	TRI	T5	DET	VAC	#TS	H	12.6	150			250	1						7BT		
12AE6A	S	TRI	DWD	T5	AFA	SCO	#RA	H	12.6	150	30	20	13	1	1300	17	13K	1.80	1.10	7BT		
12AE7	OBS	TRI	DIS	T6	AFD	#PL	H	12.6	450	16	1.0	13	2	4000	13	3150	4.70	0.75	9A			
12AE7	OBS	TRI	DIS	T6	AFD	#PL	H	12.6	450	16	1.0	13	8	6500	6	985	4.20	0.85	9A			
12AE10	S	PND	DIS	T9	AFA	GE	H	12.6	450	165	6.0	145	34	5600	33K	9.50	10.00	12EZ				
12AE10	S	PND	DIS	T9	DET	SCO	GE	H	12.6	450	330	1.7	150	1	1000	150K			12EZ			
12AF3	D10	SIN	T6	DA	VAC	#TS	H	12.6	600	4K	750	6.0	20	185					6.00	9CB		
12AJ5	OBS	DWD	TRI	T5	DET	VAC	#TS	H	12.6	150	30	20	13	1	750U	1200	55	45K	2.20	0.80	7BT	
12AJ6	OBS	TRI	DWD	T5	AFA	SCO	#TS	H	12.6	150	330	54	117	9	4000	13	3150	4.70	0.75	9A		
12AL5	S	D10	TWN	T5	DET	HIP	#HY	H	12.6	150	550	30	13	500U	1000	13	13K	1.80	2.50	6BT		
12AL8		TRI	TET	T6	DET	SCO	#TS	H	12.6	550	30	20	13	13	500U	1000	13	13K	1.80	0.40	9GS	
12AL8	TET	TRI	T6	PA	SRC	#TS	H	12.6	550	330	1.7	13	1	15000	40	480	13.00	1.60	9GS			
12AL11	S	PND	DIS	T9	AFA	SCO	GE	H	12.6	450	275	10.0	150	1	1000	100K	150K	2.20	0.80	12BU		
12AL11	S	PND	DIS	T9	DET	SRC	GE	H	12.6	450	250	10.0	250	39	6500	100K	100K	11.00	12.00	12BU		
12AO5	REA	SIN	T5	PA	RCO	RC	DET	RC	12.6	225	250	12.0	250	10	2200	17	7700	1.60	0.40	9A		
12AT6A	S	DWD	TRI	T5	DET	SY	H	12.6	150			250	1	4100	40	8200	2.60	0.34	9DX			
12AT6A	S	TRI	DWD	T5	VA	SCO	SY	H	12.6	150	300	0.5	250	1	1200	70	58K	2.20	0.80	7BT		
12AT7WB	S*	TRI	TWN	T6	RFA	SRC	GE	H	12.6	150	300	2.5	250	10	5500	60	11K	2.20	0.50	7BK		
12AU6A	S	PND	SIN	T5	IFA	SCO	SY	H	12.6	150	300	3.0	250	8	4500	8	2M	5.50	0.50	7BK		
12AU7A	S	TRI	TWN	T6	AFA	RCO	#PL	H	12.6	150	300	6.0	250	10	4900	9	52K	1.60	0.40	9A		
12AU8	S	PND	TRI	T6	GEN	RDA	#TS	H	12.6	300	550	440	11.0	250	1	1600	100	62K	2.20	0.80	7BT	
12AU8	S	BEA	SIN	T11	HDA	RDA	GE	H	12.6	600	550	440	11.0	250	57	5900	40	8200	2.60	0.34	9DX	
12AV5GA	S	DWD	TRI	T5	DET	VAC	#TS	H	12.6	150	300	2.5	150	9	4900	40						
12AV6A	S	TRI	DWD	T5	VDA	SCO	SY	H	12.6	150	300	2.0	200	15	7000	15	150K	7.50	3.40	9DX		
12AV7	S	TRI	TWN	T6	RFA	SRC	#PL	H	12.6	225	300	2.7	150	18	8500	41	4800	3.10	0.50	9A		
12AW6	OBS	PND	SIN	T5	VA	SCO	RC	H	12.6	150	300	2.0	250	7	5000	800K			6.50	7CM		
12AX3	S	D10	SIN	T9	DA	VAC	GE	H	12.6	600	5K	1000	5.3	165	1	1600	100	62K	2.20	0.80	12BL	
12AX4GTB	S	D10	SIN	T9	DA	VAC	GE	H	12.6	600	5K	1000	4.8	21	1.65	1600	100	62K	7.50	5.50	4CG	
12AX7A	S	TRI	TWN	T6	VA	SCO	RC	H	12.6	150	330	1.2	250	1.1	1600	100	62K	1.60	0.46	9A		
12AY3A	S	D10	SIN	T9	DA	VAC	RC	H	12.6	600	5K	1100	6.5	900	1.75				6.50	9HP		

NUMERICAL LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USE	TURE CHAR	REG	K TYPICAL FILAMENT TYPE	MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			CAPACITANCE PICOFARADS IN OUT	EIA BASE NO.							
									V	MA	V	MA	W	RP OHMS	GM UMHO	IB MA	IB MA						
12AY7	S	TRI	T ₂ N	T ₆	AFA	SCO	#PL	H	12.6	150	300	10	1.5	250	3	1800	44	25K	1.30	0.60	9A		
12AZ7A	S	TRI	T ₂ N	T ₆	OSC	SRC	#PL	H	12.6	225	330	5.0	250	10	5500	60	11K	3.10.	0.50	9A			
12B3	OBS	D10	SIN	T ₆	DA	VAC	WH	H	12.6	600	4K	750	5.5	22	150	34	6300	6	1030	5.00	5.30	9BD	
12B4A	S	TRI	SIN	T ₆	VDA	RCO	GE	H	12.6	300	550	105	5.5	150	250	14	4400	1M	1M	1.50	1.50	9AG	
12BA6A	S	PND	SIN	T ₆	RFA	RCO	SY	H	12.6	150	300	22	3.0	250	4	250	4	1M	1M	5.50	5.00	7BK	
12BA7	S	PTG	SIN	T ₆	CON	RCO	RC	H	12.6	300	150	20	2.0	250	4	150	16	350	16	6.70	8.30	8CT	
12BD6	S	PND	SIN	T ₅	IFA	RCO	RA	H	12.6	150	300	14	3.0	250	9	2000	800K	800K	4.30	5.00	7BK		
12BE3A	S	D10	SIN	T ₉	DA	R10	RA	H	12.6	600	5K	200	6.5	250	1	1900	16	8500	1.80	0.70	7BT		
12RE6A	S	PTG	SIN	T ₅	DET	VAC	SY	H	12.6	150	300	14	1.0	250	3	1900	1.5	1502	1.0	5.50	8.00	7CH	
12BF6	S	DWD	TRI	T ₅	VA	RCO	#TS	H	12.6	150	300	200	2.5	250	10	1900	16	8500	1.80	0.70	7BT		
12BF6	S	TRI	DWD	T ₅	RFA	RCO	TS	H	12.6	600	330	1.7	150	1	1900	1.5	1502	1.0	5.50	8.00	7CH		
12BF11	PND	DIS	T ₉	DET	SCD	GE	GE	H	12.6	600	165	65	6.5	250	36	8600	36	30K	13.00	10.00	12EZ		
12BF11	PND	DIS	T ₉	AFA	VDA	SRC	#HY	H	12.6	300	500	20	3.5	250	12	3100	17	5300	3.30	0.80	9A		
12BH7A	S	TRI	T ₂ N	T ₆	PA	SRC	GE	H	12.6	600	250	9.0	250	37	8500	100K	100K	13.00	5.00	9BQ			
12BK5	S	REA	SIN	T ₆	PND	SIN	T ₅	RFA	H	12.6	150	300	20	1.3	1400	500K	5.50	4.80	7BK				
12BL6	GTR	SIN	T ₅	DIS	DIS	SY	SY	H	12.6	150	300	12	121	440U	4.20	4.20	4.20	4.20	7DF				
12BN6A	S	REA	SIN	T ₉	HDA	RCO	SY	H	12.6	600	550	400	11.0	250	55	5500	20K	20K	15.00	7.50	6AM		
12B06GT	S	D10	SIN	T ₆	DA	VAC	TO	H	12.6	600	6K	1200	6.5	250	19	250	5	250	1.80	6.50	9CB		
12BR3	S	DWD	TRI	T ₆	DET	HIP	#PL	H	12.6	225	300	2.5	250	10	4000	60	11K	2.60	0.30	9CF			
12BR7A	S	TRI	DWD	T ₆	GEN	SCO	#PL	H	12.6	600	600	6.0	6.0	12	140	17	17	17	1.80	6.50	9CF		
12BS3A	D10	SIN	T ₉	DA	VAC	VAC	RC	H	12.6	600	5K	1100	6.0	250	10	4000	60	11K	2.60	0.30	9HP		
12BT3	D10	SIN	T ₉	DA	VAC	GE	H	12.6	450	3K	1000	5.3	21	250	25	250	27	13000	85K	11.00	7.00	12BL	
12BV7	S	PND	SIN	T ₆	VHF	SCO	SY	H	12.6	450	300	300	6.2	250	10	3700	100	3700	200K	7.50	6.50	12BQ	
12BV11	D10	T ₂ N	T ₉	CH	REC	VAC	SY	H	12.6	450	300	300	1.7	250	4	325	100	6800	650K	7.50	3.30	9AQ	
12BW4	D10	T ₂ N	T ₆	GEN	GEN	SCO	RE	H	12.6	150	550	2.5	250	10	250	10	250	10	250	10	250	10	250
12BX6	PND	SIN	T ₆	DA	VAC	TO	GE	H	12.6	450	300	300	6.5	250	21	250	26	11000	93K	10.20	7.00	9CB	
12BY3	D10	SIN	T ₆	VHF	SRC	GE	SY	H	12.6	300	150	330	2.3	250	14	8000	26	260K	7.00	3.50	9BF		
12BY7A	S	PND	SIN	T ₅	IFA	RCO	SY	H	12.6	300	150	300	1.5	250	2	3200	100	3200	32K	6.50	0.70	9A	
12BZ6	S	TRI	T ₂ N	T ₆	VHF	SCO	#HY	H	12.6	300	150	300	1.5	250	2	3200	100	3200	100	32K	6.50	0.70	9A
12BZ7	S	TRI	T ₂ N	T ₆	VHF	SCO	#HY	H	12.6	300	150	300	1.5	250	2	3200	100	3200	100	32K	6.50	0.70	9A
12C5	S	BEA	SIN	T ₅	PA	RCO	WH	H	12.6	600	135	5.5	110	50	7500	10K	10K	13.00	9.00	7CV			
12CA5	S	REA	SIN	T ₅	PA	SCO	GE	H	12.6	600	130	5.0	125	37	9200	15K	15K	15.00	9.00	7CV			
12CK3	S	D10	SIN	T ₉	DA	VAC	RC	H	12.6	600	5K	1200	6.5	350	16	350	16	350	16	350	6.50	9HP	
12CL3	S	D10	SIN	T ₉	DA	VAC	RC	H	12.6	600	5K	1300	8.5	350	16	350	16	350	16	350	6.50	9HP	
12CM6	S	BEA	SIN	T ₆	PA	RCO	SY	H	12.6	225	315	12.0	250	47	4100	50K	50K	8.00	8.50	9CK			
12CN5	ORS	PND	SIN	T ₅	IFA	SCO	RA	H	12.6	450	16	450	16	13	4	3800	40K	3800	40K	3800	40K		
12CR5	S	REA	SIN	T ₆	HDA	RCO	WH	H	12.6	600	600	400	11.0	250	65	6000	18K	18K	15.00	9.00	9HC		
12CR6	D10	PND	T ₅	DET	VAC	#TS	TS	H	12.6	150	315	2.5	250	2	2200	10	2200	10	2200	10	2200		
12CS6	PTG	SIN	T ₅	IFA	RCO	#TS	GA	H	12.6	150	300	14	1.0	100	1	1100	1M	1M	5.50	7.50	7CH		

NUMERICAL LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND TYPE	BULB	USF	CHAR	RFG	K	TYPICAL FILAMENT TYPE		MAXIMUM PLATE CHARACTERISTICS		TYPICAL CHARACTERISTICS			CAPACITANCE		EIA BASE NO.					
								V	MA	W	ER	IR MA	GM	MU	RP	PICOFARADS IN	CAPACITANCE OUT					
												V	MA	W	V	MA						
12CT8	S	TRI	PND	T6	VHF	SCO	GE	H	12.6	300	300	2.5	150	9	4900	40	8200	2.40	0.19	9DA		
12CT8	S	PND	TRI	T6	VHF	SRC	GE	H	12.6	300	300	2.8	200	15	7000	150K	150K	7.50	2.40	9DA		
12CU5	S	BEA	SIN	T5	PA	RCA	PA	H	12.6	600	135	6.0	120	50	7500	13.0	13.0	8.50	2.40	9DA		
12CU6	S	BEA	SIN	T11	HDA	RCA	SY	H	12.6	600	600	400	11.0	250	57	5900	14K	15.00	7.00	6.4M		
12CX6	ORS	PND	SIN	T5	RFA	SCO	SY	H	12.6	150	33	13	3	3100	40K	40K	7.60	6.20	7BK			
12D4A	DIO	SIN	T9	DA	VAC	#TS	H	12.6	600	5K	900	8.0	200	185	47	8000	28K	8000	9.00	7.00	4CG	
12D85	ORS	BEA	SIN	T6	VDA	RCA	PHY	H	12.6	600	300	200	10.0	200	5	47	8000	28K	8000	9.00	9GR	
12DE8	ORS	DIO	PND	T6	DET	VAC	#TS	H	12.6	200	200	30	20	1.8	90	1.3	1500	300K	300K	3.70	5.70	9HG
12DE8	ORS	PND	DIO	T6	RFA	SCO	TS	H	12.6	180	130	25	1.8	90	15	12500	33	300K	5.50	5.70	9HG	
12DJ8	ORS	TRI	TWN	T6	GEN	VAC	SY	H	12.6	180	130	25	1.8	90	15	12500	33	300K	5.50	5.70	9AJ	
12DK6	ORS	PND	SIN	T5	VHF	SCO	RC	H	12.6	500	330	2.3	125	12	9800	350K	6.30	1.90	7CM			
12DL8	ORS	DWD	TET	T6	DET	VAC	RC	H	12.6	550	550	5	200	1.3	40	15000	480	12000	1.60	1.60	9HR	
12DL8	ORS	DWD	DET	DWD	PA	SRC	TS	H	12.6	550	30	5K	1200	6.5	200	175	480	12000	1.60	1.30	9HR	
12DM4A	S	DIO	SIN	T9	DA	VAC	WH	H	12.6	600	600	6.0	1000	6.0	175	38	6200	480	12.50	8.50	4CG	
12D04	S	DIO	SIN	T9	DA	VAC	RA	H	12.6	600	600	6.0	1000	6.0	175	38	6200	480	12.50	5.00	4CG	
12D06B	BEA	SIN	T12	HDA	RCA	GE	H	12.6	600	770	610	18.0	250	65	7300	18K	15000	15.00	7.00	6AM		
12D07	S	PND	SIN	T6	VHF	SRC	GE	H	12.6	300	330	6.5	200	26	10500	53K	10000	3.80	9BF			
12D5A	ORS	DWD	TET	T6	DET	VAC	RC	H	12.6	400	400	5	10	3	40	15000	480	13000	2.00	9JJ		
12D57A	ORS	TRI	TET	DWD	AFA	SRC	RC	H	12.6	400	400	16	13	40	15000	480	13000	2.00	9JJ			
12DT5	ORS	BEA	SIN	T6	VDA	RCA	WH	H	12.6	600	315	190	9.0	250	38	6200	480	12.50	4.90	9HN		
12DT6	ORS	PND	SIN	T5	DET	SCO	#TS	H	12.6	150	330	1.7	150	1	800	250	10500	60	15000	6.10	7EN	
12DT8	S	TRI	TWN	T6	RFA	SRC	RC	H	12.6	150	300	2.5	250	10	5500	60	15000	11K	2.70	1.60	9AJ	
12DU7	ORS	DWD	TET	T6	DET	VAC	SY	H	12.6	275	275	16	13	40	15000	480	13000	2.00	9JJ			
12DU7	ORS	TEST	DWD	T6	PA	SCO	SY	H	12.6	275	16	1.7	13	12	6200	6000	11000	3.60	9JJ			
12DM4A	S	DIO	SIN	T9	DA	VAC	TO	H	12.6	600	6K	1300	8.5	25	350	14	6000	5000	11000	6.50	9HP	
12DW5	ORS	BEA	SIN	T6	PA	RCA	SY	H	12.6	600	330	225	11.0	200	55	5500	55	5500	15K	14.00	9CK	
12DW7	S	TRI	DIS	T6	VA	RCA	SY	H	12.6	150	330	22	3.3	250	10	2200	17	7700	1.70	0.40	9A	
12DW7	S	TRI	DIS	T6	VA	SCO	SY	H	12.6	150	330	1.2	250	1	1600	100	62K	1.60	0.44	7CJ		
12DY8	TRI	TET	T6	GEN	PA	SCO	SY	H	12.6	350	16	1.6	25	13	1	2000	20	10K	2.00	0.38	9JD	
12DY8	TEST	TRI	T6	ONA	SRC	SY	H	12.6	350	16	1.6	13	14	6000	6000	5000	11000	3.00	9JD			
12D26	PND	SIN	T5	RFA	RCA	GE	H	12.6	190	16	1.6	13	5	3600	30K	9.50	4.00	7BK				
12EC8	ORS	TRI	PND	T6	OSC	SCO	SY	H	12.6	225	16	1.6	13	2	4700	25	6000	2.60	0.40	9FA		
12EC8	ORS	TRI	T6	MIX	PA	SCO	SY	H	12.6	225	16	1.2	125	37	660U	2000	750K	4.60	2.60	9FA		
12ED5	ORS	BEA	SIN	T5	RFA	SCO	TS	H	12.6	450	150	20	5.0	13	400U	8500	14K	14.00	8.50	7CJ		
12EG6	ORS	PTG	SIN	T5	PA	SCO	RC	H	12.6	150	135	20	5.0	110	42	14600	11K	11K	5.70	12.00	7CH	
12EH5	ORS	PND	SIN	T5	PA	RFA	SCO	H	12.6	600	600	135	13	400U	400U	14600	11K	17.00	9.00	7CV		
12EK6	PND	SIN	T5	RFA	SCO	SY	H	12.6	190	16	1.6	13	4	4200	400K	400K	10.00	5.50	7BK			
12EL6	ORS	DWD	TRI	DWD	DET	SCO	SY	H	12.6	150	30	2.0	175	1	750U	1200	55	45K	2.20	1.00	7FB	
12EL6	ORS	TRI	DWD	T5	AFA	SCO	SY	H	12.6	600	300	175	7.0	200	50	8000	28K	14.00	8.00	7S		
12EN6	ORS	BEA	SIN	T9	PA	RCA	RC	H	12.6	150	300	175	7.0	200	50	8000	28K	14.00	8.00	9LQ		
12EO7	ORS	DIO	PND	T6	DET	VAC	RC	H	12.6	150	300	175	7.0	10	1	10	10	10	10	9LQ		

NUMERICAL LISTING = CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT			MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			CAPACITANCE PICOFARADS IN OUT					
									V	MA	V MA	W	V MA	MA	W	E _B V	I _B MA	G _M	MU	R _P	O _H S		
12E07	OBS	PND	DIO	T6	RFA	RCO	RC	H	12.6	150	300	3.0	100	9	3800	250K	5.50	5.00	9LQ	9LQ			
12E26	OBS	PND	SIN	T5	RFA	SCO	#TS	H	12.6	175	30	1.0	14	2	3000	300K	7.80	5.50	7BK	7BK			
12F8	OBS	DWD	PND	T6	DET	VAC	#TS	H	12.6	150	30	1	13	1	1000	330K	4.50	3.00	9FH	9FH			
12F8	OBS	DWD	PND	T6	AFA	SCO	#TS	H	12.6	150	30	1	13	1	1200	7	6200	1.80	0.70	7BT	7BT		
12FK6	OBS	DWD	TRI	T5	DET	VAC	RC	H	12.6	150	16	1	13	1	1200	7	6200	1.80	0.70	7DT	7DT		
12FM6	OBS	DWD	TRI	T5	AFA	SCO	RA	H	12.6	150	30	20	13	1	1300	10	7700	2.70	1.70	7DT	7DT		
12FM6	OBS	TRI	DWD	T5	AFA	SCO	RA	H	12.6	150	300	22	4.0	250	9	2600	20	7700	2.70	1.70	7DT	7DT	
12F07	OBS	TRI	TRI	TWN	T6	GEN	RCD	MT	H	12.6	150	330	0.5	250	2	1200	95	76K	1.70	1.70	9LP	9KT	
12F08	OBS	TRI	TRI	TWN	T6	OSC	SCO	GE	H	12.6	150	330	0.5	250	2	1200	10	400K	2.60	2.00	9KU	9KU	
12FR8	OBS	TRI	PDD	T6	AFA	SCO	#TS	H	12.6	320	16	16	13	2	2700	2	8.50	5.50	5.50	9KU	9KU		
12FR8	OBS	TRI	PDD	TRI	T6	I FA	SCO	#TS	H	12.6	320	16	16	13	2	2700	2	8.50	5.50	5.50	9KU	9KU	
12FV7	OBS	TRI	TWN	T6	ONA	RCD	RC	H	12.6	450	300	30	2.5	100	16	9600	22	2250	0.60	5.50	9A	9A	
12FX5	OBS	TRI	SIN	T5	AFA	SCO	#TS	H	12.6	450	150	5.5	110	35	13500	18K	1700	9.00	7CV	7CV	7CV		
12FX8A	OBS	TRI	PTG	T6	RFA	SCO	#TS	H	12.6	300	16	16	13	290U	10	1400	10	500K	2.20	0.48	9KV	9KV	
12FX8A	OBS	PTG	TRI	T6	CON	SCO	#TS	H	12.6	300	16	16	13	290U	10	1400	10	500K	6.00	5.00	9KV	9KV	
12G11	PND	DIS	DIS	T9	DET	SRC	GE	H	12.6	600	150	6.5	6.5	120	50	7500	10K	1200	12.00	12BU	12BU		
12G11	PND	DIS	SIN	T12	AFA	SCO	GE	H	12.6	600	330	1.7	150	150	1	1000	150K	150K	150K	12BU	12BU		
12GC6	S	BEA	SIN	T12	HDA	RCD	RA	H	12.6	600	770	550	17.5	250	345	6600	20K	20K	20K	8JX	8JX		
12GE5	S	BEA	SIN	T12	HDA	RCD	GE	H	12.6	600	770	550	17.5	250	75	6600	20K	20K	20K	12BJ	12BJ		
12GJ5	S	BEA	SIN	T12	HDA	HIP	RC	H	12.6	600	770	550	17.5	250	70	7100	15K	15K	15K	90K	90K		
12GN6	OBS	DIO	PND	T5	DET	VAC	RV	H	12.6	150	300	3.0	250	1	4400	1H	5.50	5.00	7FW	7FW			
12GN6	OBS	PND	DIO	T5	I FA	RCD	RV	H	12.6	150	300	3.0	250	1	4400	1H	5.50	5.00	7FW	7FW			
12GN7A	PND	SIN	T6	VHF	SCO	SY	SY	H	12.6	300	400	11.5	250	28	36000	50K	17.50	4.00	9BF	9BF			
12GT5A	REA	SIN	T12	PA	HIP	RC	H	12.6	600	770	550	17.5	250	70	7100	15K	15.00	6.50	9NZ	9NZ			
12GV5	S	REA	SIN	T12	HDA	RCD	RA	H	12.6	600	770	175	17.5	250	65	7300	18K	16.00	7.00	12DR	12DR		
12Gw6	S	REA	SIN	T12	PA	RCD	RC	H	12.6	600	770	550	18.0	250	70	7100	15K	6AM	6AM	6AM	6AM		
12H6	DIO	TWN	T9	REC	VAC	RCD	VAC	H	12.6	150	420	48	117	8	250	21	8800	6200	19.00	7.00	12FS	12FS	
12HE7	DIO	PND	T12	DA	VAC	SCO	SY	H	12.6	1350	4K	1200	10.0	130	60	8800	31	32000	60K	14.00	4.40	9BF	9BF
12HE7	S	PND	DIO	T12	HDA	RCD	SY	H	12.6	1350	500	230	10.0	300	31	17000	70	7500	17000	7.00	7.00	9QH	9QH
12HG7	RE4	SIN	T9	VHF	SCO	RC	RC	H	12.6	260	400	10.0	12.0	130	130	17000	26	6000	80K	7.00	4.50	9BF	9BF
12HL7	PND	SIN	T6	RFA	SCO	SY	LR	H	12.6	300	400	10.0	250	25	21000	55K	15.00	6.00	9NF	9NF			
12HU8	PND	TWN	T6	AFA								6.0	250	26	6000	80K	7.00	4.50	9NF	9NF			

NUMERICAL LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPEF	BULB	USE	TUBE CHAR	RFG	TYPE	TYPICAL FILAMENT CHARACTERISTICS			MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			EIA BASE NO.			
									V	MA	W	V	MA	W	ER	V	IB	GM	MU	RP	
12J5GT	S	TRI	SIN	T9	GEN	RCO	GE	H	12.6	150	330	20	2.8	250	9	2600	20	7700		60	
12JA		DWD	TET	T6	DET	VAC	SY	H	12.6	325	30	1.3	1.2	5500		6000	10.50	4.40		9GC	
12J8		TET	DWD	T6	PA	SCO	SY	H	12.6	325	250	70	7100		1500	15.00	6.00		9GC		
12JH6A	S	BEA	SIN	T12	HDA	RCO	RC	H	12.6	600	770	175	17.5	250	70	7300		15K	16.00	7.00	
12JN6A	S	BEA	SIN	T12	HDA	RCO	GE	H	12.6	600	770	175	17.5	250	70					12FK	
12JN8	S	TRI	PND	T6	OSC	SRC	GE	H	12.6	225	300	1.25	1.4	8500		5400	3.20	2.20		9FA	
12JNB		PND	TRI	T6	VA	SRC	GE	H	12.6	225	300	1.25	1.2	7500		2000K	5.50	3.40		9FA	
12JS6	S	REA	SIN	T12	HDA	*TS	H	12.6	1125	990	315	28.0	175	12.5	11300	5600	2.00	10.00		12FY	
12JT6A	S	REA	SIN	T12	HDA	RCO	RC	H	12.6	600	770	175	17.5	250	70	7100	15K	15.00	6.50	9QU	
12K5		TET	SIN	T5	PA	SRC	*TS	H	12.6	400	30	1.3	4.0	15000		480				7FD	
12KAGT		TRI	HFx	T9	OSC	RCD	SY	H	12.6	150	125	0.8	100	4			6.50	3.40		8K	
12KAGT		HEX	TRI	T9	MIX	RCD	SY	H	12.6	150	300	0.8	250				6000K	4.60	4.80	8K	
12KL8	ORS	DIO	PND	T6	DET	VAC	RC	H	12.6	150	300	3.0	100	6	1					9LQ	
12KL8	ORS	PND	DIO	T6	IFA	SCO	RC	H	12.6	150	300	3.0	100	6	4300		550K	6.00	5.00	9LQ	
12L6GT	S	REA	SIN	T9	PA	RCO	GE	H	12.6	600	200	10.0	200	47			8000	28K		7S	
12MM8		TRT	T9	CH	RCD	SY	H	12.6	450	330	3.0	250	12	3100	17	5500	3.60	0.48		9RQ	
J.2R5		REA	SIN	T5	VDA	RCD	SY	H	12.6	600	150	155	4.5	110	40	7000		13K	13.00	9.00	7CV
12SA7GT	S	PTG	SIN	T9	CON	*TS	RC	H	12.6	150	300	1.4	1.0	250	4					8AD	
12SC7	S	TRI	TWN	MT8	AFA	SCO	RC	H	12.6	150	250	.		250	2	1300	70	53K	2.00	3.00	8S
12SF7	S	NIN	PND	MT8	DET	VAC	RC	H	12.6	150	300	3.5		250	1					7AZ	
12SF7	S	PNL	DIO	MT8	AFA	RCO	RC	H	12.6	150	300	3.0		250	12	2000		700K	5.50	6.00	7AZ
12SG7	S	PNL	SIN	MT8	IFA	RCO	RC	H	12.6	150	300	3.0		250	12	4700		900K	8.50	7.00	8BK
12SH7	S	PND	SIN	MTR	RFA	SCO	RC	H	12.6	150	300	3.0		250	11	4900		900K	8.50	7.00	8BK
12SJ7	S	PNL	SIN	T9	RFA	SRC	RC	H	12.6	150	300	2.5		250	3	1600		1M	6.00	7.00	8N
12SK7GT	S	PNL	SIN	T9	RFA	RCO	*HY	H	12.6	150	300	4.0		250	9	2000		800K	6.50	7.50	8BD
12SL7GT	S	TRI	TWN	T9	VA	SCO	RC	H	12.6	150	300	1.0		250	2	1600	70	44K		8BD	
12SN7GT	S	DWD	TRI	T9	DET	VAC	*HY	H	12.6	150	450	7.0	5.0	250	9	2600	20	7700	2.20	0.70	8BD
12SO7GT	S	TRI	DWD	T9	VA	SCO	*HY	H	12.6	150	300	0.5		250	1	1200	100	85K		80	
12SO7GT	S	TRI	TRI	T9	VA															80	

NUMERICAL LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	RULB	USE	TURE CHAR	REG	K	TYPICAL FILAMENT			MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			CAPACITANCE PICOFARADS IN OUT							
									SCO	SY	H	12.6	450	275	10.0	EB	IB MA	GM	MU	RP	OHMS	100K	150K	10.00	12EZ
12T10	S	PNN	DIS	T9	AFA				SCO	SY	H	12.6	450	330	1.7	150	39	6500	1000	11.00	10.00	12EZ			
12T10	S	PNN	DIS	T9	DET															1500	1000	12EZ			
12U7		TRI	TWN	T6	GEN				SCO	#TS	H	12.6	150	30	15	13	1	1600	20	12K	1.60	9A			
12V6GT	S	REA	SIN	T9	PA				RCO	#TS	H	12.6	225	315	12.0	250	47	4100	50K	9.00	7.50	7S			
12W6GT	S	BEA	SIN	T9	PA				RCO	GE	H	12.6	600	300	180	100	200	47	8000	28K	15.00	9.00	7S		
12X4		DIN	TWN	T5	REC				VAC	#TS	H	12.6	300	1K	230	325	70					5BS			
13CW4		TRI	SIN	M74					RCO	RC	H	13.5	60	135	1.5	70	7	12500	68	5440	4.30	1.80			
13DE7	S	TRI	DIS	T6	VDA				RCO	SY	H	13.0	450	275	175	7.0	35	6500	6	925	5.50	1.00			
13DE7	S	TRI	DIS	T6	VDO				RCO	SY	H	13.0	450	330	77	1.5	250	6	2000	18	8750	2.20	0.52		
13DR7	S	TRI	DIS	T6	VDA				RCO	SY	H	13.0	450	275	175	7.0	35	6500	6	925	5.50	1.00			
13DR7	S	TRI	DIS	T6	VDO				SCO	SY	H	13.0	450	330	70	1.0	250	1	1600	68	40K	2.20	0.34		
13EW7		TRI	DIS	T9	VDA				RCO	SY	H	13.0	450	330	175	10.0	150	50	7200	5	750	7.00	1.80		
13EW7		TRI	DIS	T9	VDO				SCO	SY	H	13.0	450	330	77	1.5	250	1	1600	68	40K	2.20	0.60		
13EW7		TRI	DIS	T9	VDA				RCO	#PL	H	13.0	450	330	175	10.0	150	40	7500	6	800	6.50	1.20		
13EW7		TRI	DIS	T9	VDO				SCO	#PL	H	13.0	450	330	70	1.5	250	1	1600	64	40K	2.20	0.40		
13EW7		TRI	DIS	T9	VDA				SCO	SY	H	13.0	450	550	50	10.0	175	40	6000	6	920	2.40	0.40		
13F47		TRI	DIS	T9	VDO				SY	H	13.0	450	350	150	1.0	250	2	2200	66	30K		12EZ			
13F47		TRI	DIS	T9	VDA				RCO	SY	H	13.0	450	330	175	10.0	150	50	7200	5	750	7.50	1.20		
13F47		TRI	DIS	T9	VDO				SCO	SY	H	13.0	450	330	77	1.5	250	1	1600	68	40K	2.40	0.30		
13FR7	S	REA	SIN	T9	PA				SRC	AM	H	13.3	600	275	275	6.0	75	440	1	1600			9HF		
13GB5		TRI	DIS	T9	VDA				RCO	RC	H	13.0	450	330	50	11.0	150	50	7200	5	750	6.50	1.40		
13GF7A		TRI	DIS	T9	VDO				SCO	RC	H	13.0	450	330	22	1.5	250	1	1600	64	40K	2.40	0.26		
13GF7A		TRI	DIS	T9	VDA				SCO	GE	H	13.2	450	275	10.0	250	39	6500	100K	11.00	7.00	9HF			
13J10	S	PND	GTB	T9	PA				SRC	GE	H	13.2	450	330	13	1.0	270	440U			4.00	1.28T			
13J10	S	GTR	PND	T9	DIS				PA	DIS	H	13.2	450	165	65	6.5	145	34	6400	58K	10.00	10.00	12EZ		
13V40	S	PND	DIS	T9	DET				RCO	GE	H	13.2	450	330	1.7	150	1	1000			150K	12EZ			
13V40	S	PND	DIS	T9	AFA				SCO	GE	H	13.2	450	330	1.7	150	1	1000							

NUMERICAL LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND TYPE	BULB	USE CHAR	TUBE REG	K TYPICAL FILAMENT TYPE	MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			CAPACITANCE		EIA BASE NO.				
							V	MA	W	E _B	I _B MA	G _M UMHO	MU	R _P OHMS	PICOFARADS IN				
13Z10	PND	GTB	T9	AFA	GE	H	13.2	450	275	10.0	250	35	6500	100K	11.00	7.50			
13Z10	GTB	PND	T9	DIS	GE	H	13.2	450	330	13	135	5	400	4.40	4.40	12BT			
14BL11	S	DTR	PND	T9	GEN	SCO	H	14.2	450	330	1.5	200	7	5500	69	12K	3.00		
14BL11	S	DTR	PND	T9	GEN	SRC	H	14.2	450	330	2.0	200	7	5300	40	7600	4.40		
14BL11	S	PND	DTR	T9	AFA	SCO	H	14.2	450	250	2.5	200	1.6	19000	41	70K	4.40		
14BR11	S	PND	TDI	T9	DIS	GE	H	14.2	450	330	2.0	200	9	4400	41	9400	4.40		
14BR11	S	PND	TDI	T9	GEN	GE	H	14.2	450	330	1.5	200	7	5500	68	12K	3.80		
14BR11	S	PND	TDI	T9	IFA	SCO	GE	H	14.2	450	330	4.0	135	1.7	10400	45K	10.00	4.60	
14C7	OBS	PND	SIN	T9	DET	SCO	SY	H	12.6	150	300	1.0	250	2	1600	14K	6.00	6.50	
14C7	OBS	TRI	TWN	T9	VA	SCO	SY	H	12.6	150	300	1.0	250	2	1600	70	44K	2.40	
14F8	OBS	TRI	TWN	T9	VHF	SRC	*TS	H	12.6	150	300	3.5	250	6	3300	48	2.80	2.00	
14GT8	S	DWD	TRI	T6	DET	VAC	SY	H	14.0	150				5			1.40	8.80	
14GT8	S	TRI	DWD	T6	VA	SCO	GE	H	14.0	150	330	1.1	250	700U	1000	72K	1.60	0.24	
14JG8	S	DWD	TRI	T6	DET	VAC	GE	H	14.0	150	330	1.1	250	5	20	2200	90	41K	1.80
14JG8	S	TRI	DWD	T6	AFA	SCO	GE	H	14.0	150	330	1.1	250	2	2200	90	41K	0.22	
15AB9	TET	TWN	T6	CON	HT	SCO	HT	H	15.0	250	20	2.0	125	8	10000	110K	110K	10N	
15AF11	TDI	PND	T9	CON	SCO	GE	H	14.7	450	330	1.1	200	7	5500	68	12K	12DP		
15AF11	TDI	PND	T9	CON	IFA	SCO	GE	H	14.7	450	330	2.0	200	9	4400	41	9400	12DP	
15AF11	PND	TDI	T9	GEN	SCO	GE	H	14.7	450	330	5.0	250	24	11000	68K	12K	12DP		
15BD11	TDI	PND	T9	CON	SCO	GE	H	14.7	450	330	1.5	200	7	5500	68	12K	3.00		
15BD11	PND	TDI	T9	VHF	SCO	GE	H	14.7	450	330	2.0	200	9	4400	41	9400	2.40		
15CD11	PND	SIN	T6	AFA	SRC	RE	H	15.0	300	250	10.0	12.0	1.7	10400	45K	11.00	4.60		
15CW5	TDI	DIS	T9	VDA	RCO	GE	H	14.8	450	550	50	10.0	200	60	8800	23K	920	12DP	
15EA7	TRI	DIS	T9	VDA	RCO	GE	H	14.8	450	550	50	10.0	175	40	6000	6	920	6.00	
15EA7	TRI	DIS	T9	VDO	SCO	GE	H	14.8	450	350	1.0	250	2	2200	66	30K	2.20		
15EW6	PND	SIN	T5	IFA	SCO	GE	H	15.0	150	330	3.1	125	11	14000	200K	10.00	2.40		
15EW7	TRI	DIS	T9	VDA	RCO	TO	H	14.8	450	330	17.5	10.0	150	45	7500	6	800	7.00	
15EW7	TRI	DIS	T9	VDO	RCO	TO	H	14.8	450	330	7.7	1.5	250	6	2000	18	8750	2.20	
15FM7	TRI	DIS	T9	VDA	GE	H	14.8	450	550	50	10.0	175	40	6000	6	920	2.40		
15FM7	TRI	DIS	T9	VDO	GE	H	14.8	450	350	1.0	250	2	2200	66	30K	0.60			
15FY7	TRI	DIS	T9	VDA	RCO	GE	H	14.7	450	275	50	7.0	150	45	7500	6	800	6.50	
15FY7	TRI	DIS	T9	VDO	SCO	GE	H	14.7	450	330	20	1.0	250	1	1600	65	40K	1.20	
15HA6	S	PND	SIN	T6	PA	SCO	RA	H	15.0	300	300	8.0	150	28	20000	20K	13.00	0.40	
15HB6	S	PND	SIN	T6	VDA	SRC	RC	H	14.7	300	350	10.0	250	40	20000	24K	13.00	9NW	
15KY8	BEA	TRI	T9	VDA	RCO	RC	H	15.0	450	330	22	1.5	250	1	1600	64	40K	15.00	
15KY8	BEA	TRI	T9	VDA	SRC	RC	H	15.0	450	300	60	12.0	135	39	8400	18K	2.60	9OT	
15LE8	PND	TWN	T6		SCO	RA	H	15.0	300	300	2.0	100	8	5800	50K	15.50	3.70		

NUMERICAL LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPF	BULB	USE	TUBE CHAR	REG TYPE	K FILAMENT	MAXIMUM PLATE CHARACTERISTICS				TYPICAL CHARACTERISTICS			CAPACITANCE				
									V	MA	V	MA	W	MA	IR	GM	MU	RP	PICOFARADS IN	OUT
16A03	DIO	SIN	T6	REC	VAC	RE	H	16-.4	600	250	5.0	4.8	11300	20	38K	10.00	.7.00	2.00	9CB	
16GK6	PND	SIN	T6	AFA	SRC	AE	H	16-.0	300	440	13.2	250	1.9	170	10	3400	1.8	5.50	9GK	
16GK8	TRI	BEA	T6	OSC		AE	H	16-.0	300	250	1.0	200	2.0	125	8	10000	30K	12.00	9JC	
16GK8	REA	TRI	T6			AE	H	16-.0	300	500	7.0	250	6.5	145	36	8600	4.40	7.50	12DR	
16GY5	S	BEA	SIN	T12	HDA	RCO	GE	15-.8	600	770	18.0	130	50	9100	11K	22.00	9.00	10L		
16KA6	S	BEA	SIN	T12	HDA	RCO	#TS	H	15-.8	600	770	18.0	130	50	9100	11K	23.00	8.50	12GH	
16Y9	PND	DIS	T6	AFA	SCO	AM	H	16-.5	300	250	5.0	170	30	21000	40K	12.00	7.00	10L		
16Y9	PND	OIS	T6	OIS	SCO	AM	H	16-.5	300	275	1.8	150	10	8500	160K	10.00	11.00	10L		
17A8	TRI	PND	T6	GEN	SCO	MT	H	16-.8	150	250	1.4	100	14	5000	20	2.50	1.80	90C		
17A8	PND	TRI	T6	GEN		MT	H	16-.8	150	275	15	1.9	170	10	6200	110K	5.50	3.80	90C	
17AR9	TE	T	TWN	T6	CON		MT	16-.8	150	250	2.0	125	8	10000	30K	12.00	7.50	10N		
17AB10	PND	GTB	T9	PA		GE	H	16-.8	450	165	6.5	400	400	14K	4.40	12BT	12BT			
17AB10	GFB	PND	T9	OIS	GE	H	16-.8	450	350	1.3	135	5	400	14K	14.00	7.00	6CK			
17AV5GA	BEA	SIN	T11	HDA	RCO	GE	H	16-.8	450	550	400	14.0	250	57	5900	165	7.50	5.50	12BL	
17AX3	DIO	SIN	T9	DA	VAC	GE	H	16-.8	150	5K	1000	5.3	32	250	400	8.50	5.00	4CG		
17AX4GTA	DIO	SIN	T9	OA	VAC	SY	H	16-.8	450	4K	600	900	175	900	175	9HP	9HP	9HP		
17AY3A	S	OIO	SIN	T9	DA	VAC	RC	H	16-.8	450	5K	1100	6.5	200	6.5	30K	150K	6.50	12FX	
17BE3A	OIO	SIN	T9	OA	VAC	RA	H	16-.8	450	5K	1200	6.5	19	250	5500	20K	15.00	7.50	6.50	
17BF11A	S	PND	DIS	T9	AFA	GE	H	16-.8	450	165	6.5	145	36	8600	1000	150K	6.50	12EZ		
17BF11A	S	PND	DIS	T9	OET	SCO	GE	H	16-.8	450	330	1.7	150	1	1000	1000	150K	15.00	6.50	
17BH3A	S	DIO	SIN	T9	OA	VAC	RC	H	17-.0	600	6K	1100	6.5	250	55	30K	13.00	10.00	12FZ	
17B06GTR	REA	SIN	T9	HDA	RCO	SY	H	16-.8	450	550	400	11.0	1.7	150	1	1000	1000	15.00	15.00	
17BR3	OIO	SIN	T6	DA	VAC	TO	H	16-.8	450	6K	1200	6.5	19	250	5500	20K	15.00	7.50	6.50	
17BS3A	OIO	SIN	T9	DA	VAC	RC	H	16-.8	450	5K	1100	6.0	12	140	350	100K	100K	13.00	9.00	
17B23	DIO	SIN	T9	OA	VAC	GE	H	16-.8	450	4K	1200	6.5	21	125	150	7500	100K	100K	12FX	
17C5	BEA	SIN	T5	PA	RCO	SY	H	16-.8	450	135	5.5	110	1.5	125	10	8000	100K	100K	12CV	
17C9A	TE	T	TWN	T6	VHF	SCO	H	16-.8	150	250	20	1.5	125	10	8000	100K	100K	10F		
17CA5	BEA	SIN	T5	PA	SRC	SY	H	16-.8	450	130	5.0	125	37	9200	125	15K	15.00	9.00		
17CK3	S	DIO	SIN	T9	DA	VAC	RC	H	16-.8	450	5K	1200	6.5	16	350	120	7500	100K	100K	9HP
17CL3	S	DIO	SIN	T9	DA	VAC	RC	H	16-.8	450	5K	1300	8.5	16	350	120	7500	100K	100K	9HP
17C04	S	OIO	SIN	T9	DA	VAC	WH	H	17-.0	600	6K	1200	6.5	200	175	120	7500	100K	100K	4CG
17CU5	BEA	SIN	T5	PA	RCO	WH	H	16-.8	450	135	6.0	180	250	6.5	250	120	7500	100K	100K	4CG
17D4A	S	OIO	SIN	T9	DA	VAC	#TS	H	16-.8	450	5K	9005	8.0	25	350	120	7500	100K	100K	4CG
17OE4	S	DIO	SIN	T9	DA	VAC	RC	H	17-.0	600	5K	1100	6.5	16	350	120	7500	100K	100K	4CG
17OM4	S	OIO	SIN	T9	DA	VAC	WH	H	16-.8	450	5K	1200	6.5	200	175	120	7500	100K	100K	4CG
17004	S	OIO	SIN	T9	DA	VAC	RA	H	16-.8	450	6K	1000	6.0	200	175	120	7500	100K	100K	4CG
17006R	BEA	SIN	T1?	HOA	RCO	GE	H	16-.8	450	770	610	18.0	250	6.5	250	120	7500	100K	100K	4CG
170w4A	S	OIO	SIN	T9	DA	VAC	TO	H	16-.8	450	6K	1300	8.5	25	350	120	7500	100K	100K	4CG
17GE5	BEA	SIN	T12	HDA	RCO	GE	H	16-.8	450	770	550	17.5	250	75	6600	20K	16.00	7.00	12BJ	
17GJ5A	S	BEA	SIN	T12	HDA	HIP	RC	H	16-.8	450	770	550	17.5	250	70	7100	15K	15.00	6.50	9GK
17GT5A	S	BEA	SIN	T12	PA	HIP	RC	H	16-.8	450	770	550	17.5	250	70	7100	15K	15.00	6.50	9NZ
17GV5	S	BEA	SIN	T12	HDA	RCO	GE	H	16-.8	450	770	17.5	250	70	7100	15K	15.00	6.50	12DR	
17GW6	S	BEA	SIN	T12	PA	RCO	RC	H	16-.8	450	770	550	18.0	250	70	7100	15K	16.00	7.00	6AM

NUMERICAL LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPF	BULB	USE	TUBE CHAR	RFG TYPE	K	TYPICAL FILAMENT		MAXIMUM PLATE CHARACTERISTICS		TYPICAL CHARACTERISTICS			CAPACITANCE				
									V	U	V	MA	W	MA	V	MA	PICOFARADS IN OUT	EIA BASE NO.		
17H3	DIO	SIN	T6	DA	VAC	GE	H	17.5	300	2K	450	3.0	13	75	2000	68	34K	4.00		
17HC8	OBS	TRI	PND	T9	VDO	SCO	SY	16.8	450	330	1.0	250	1	250	3.00	2.60	9F	9EX		
17JC8	OBS	TRI	T6	T9	VDA	RCO	SY	16.8	450	350	11.0	250	38	5100	55K	10.00	8.00	9EX		
17JB6A	BEA	SIN	T12	HDA	HDA	RCO	RC	16.8	450	770	17.5	250	70	7100	150K	15.00	6.00	9OL		
17JG6A	BEA	SIN	T12	HDA	HDA	RCO	RC	16.8	600	770	275	17.0	130	80	10000	12K	22.00	9.00	9OU	
17JK8	TRI	DIS	T6	OSC	SCO	SY	H	16.8	150	165	22	1.0	100	5	6800	55	8000	4.00		
17JK8	TRI	DIS	T6	RFA	SCO	SY	H	16.8	150	200	22	2.0	135	10	13000	70	5400	3.00		
17JM6A	BEA	SIN	T12	HDA	RFA	GE	H	16.8	450	770	175	250	70	7300	15K	16.00	7.00	12F		
17JN6A	S	BEA	SIN	T12	HDA	RFA	GE	16.8	450	770	175	250	70	7300	15K	16.00	7.00	12F		
17JT6A	BEA	SIN	T12	HDA	RFA	RC	H	16.8	450	770	175	250	70	7100	15K	15.00	6.50	9OU		
17JZ8	TRI	BEA	T9	VDO	SRC	GE	H	16.8	450	250	20	1.0	150	3	1900	22	11K	2.20		
17JZ8	BEA	TRI	T9	VDA	RCO	GE	H	16.8	450	250	70	1.0	120	46	7100	12K	11.00	7.00		
17KV6	BEA	SIN	T12	VDO	RC	H	16.8	600	770	275	20.0	1.0	140	80	9500	6000	22.00	9.00		
17LD8	TRI	PND	T9	VDO	SY	H	16.8	450	250	70	1.0	20	20	2.00	2.00	0.40	9OT			
17LD8	PND	TRI	T9	VDA	SY	H	16.8	450	250	245	7.0	70	70	13.00	7.00	13.00	7.00	9OT		
17W6GT	OBS	REA	SIN	T9	PA	RCO	WH	16.8	450	300	180	10.0	200	47	8000	28K	15.00	9.00	7S	
17X10	PND	DIS	T9	DIS	PA	VDA	SY	16.8	450	330	13	1.0	121	440U	3	8600	30K	4.40	12BT	
17X10	PND	DIS	T9	PA	VDA	SY	H	16.8	450	165	65	6.5	145	3	8600	30K	12.00	9.00	12BT	
18A5	BEA	SIN	T9	HDA	RCA	GE	H	18.5	300	350	310	9.0	200	40	4800	27K	13.00	7.00	6CK	
18D28	OBS	TRI	PND	T6	AFA	*SO	SY	18.0	300	150	5	*0.8	120	800U	1400	100	1400	9EX		
18D28	OBS	TRI	T6	PA	AFA	*SO	SY	18.0	300	150	60	6.5	145	45	7500	450	7500	9EX		
18FW6A	S	PND	SIN	T5	RFA	SRC	SY	18.0	100	150	2.5	100	11	4400	250K	5.50	5.00	7BK		
18FX6A	PTG	SIN	T5	CON	SRC	SRC	SY	18.0	100	150	1.0	100	9	400K	400K	8.00	8.00	7CH		
18FY6A	DWD	TRI	T5	DET	VAC	SY	H	18.0	100	150	275	0.5	10	2	600U	1300	100	77K	7BT	
18FY6A	BEA	SIN	T9	PA	RFA	SRC	SY	18.0	100	450	275	6.0	75	440	5	4300	500K	6.00	5.00	7BK
18GB5A	BEA	SIN	T9	PA	RFA	SRC	AM	18.0	100	150	100	1.0	100	100	5	4300	500K	6.00	5.00	7BT
18GD6A	S	PND	SIN	T5	RFA	SRC	SY	18.0	100	150	100	1.0	100	1	1	1	1	1	7BT	
18GE6A	OBS	DWD	TRI	T5	DET	VAC	SY	H	18.0	100	150	0.5	100	1	1700	70	40K	2.40	0.20	
18HB8	OBS	TRI	PND	T6	AFA	SY	H	18.0	300	150	135	0.8	115	32	3900	74	3200	7.00	7BT	
18HB8	OBS	TRI	PND	TRI	T6	AFA	SY	18.0	300	150	135	6.5	115	32	6200	6	6200	9ME	9ME	
19AU4GTA	DIO	SIN	T9	DA	HIP	*TS	H	18.9	600	4K	1050	6.0	15	175	75	6000	40	25K	8.50	4CG
19BG6GA	BEA	SIN	ST16	HDA	RCO	GE	H	18.9	300	700	400	20.0	2.5	250	14	8000	40	5000	6.00	5BT
19CL8B	TRI	TET	T6	OSC	SRC	SY	H	18.9	150	330	125	1.0	125	12	6500	6	925	5.50	9FX	
19CL8B	TRI	TET	T6	MIX	SRC	SY	H	18.9	150	330	3.0	125	12	6500	35	6500	5.50	2.00		
19DE7	S	TRI	DIS	T6	VDA	RCO	SY	19.4	300	275	175	7.0	150	15	6500	6	925	5.50	9HF	
19DE7	S	TRI	DIS	T6	VDO	RCO	SY	19.4	300	330	77	1.5	250	6	2000	18	8750	2.20	0.52	
19EA8A	S	TRI	PND	T6	OSC	SRC	SY	18.9	150	330	3.0	150	18	8500	40	5000	3.00	9HF		
19EA8A	S	TRI	PND	TRI	T6	MIX	SRC	SY	18.9	150	330	3.1	125	12	6400	45	80K	5.00	2.60	
19EW7	S	TRI	DIS	T9	VDA	RCO	TO	H	18.9	300	330	175	10.0	150	45	7500	6	800	7.00	9AE
19EW7	S	TRI	DIS	T9	VDO	RCO	TO	H	18.9	300	330	77	1.5	250	6	2000	18	8750	2.20	0.40

NUMERICAL LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT CHARACTERISTICS			MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			CAPACITANCE PICOFARADS IN OUT	EIA BASE NO.		
									V	MA	W	V	MA	W	E _B	I _B MA	G _M	M _U	R _P	PICOFARADS OHMS	
19EZ8	TRI	T6	GEN	SRC	GE	H	18.9	150	330	54	2.0	125	4	4200	57	14K	2.40		9KA		
19G07	TRD	T6	DET	VAC	RA	H	18.9	150	330	200	1.17	54	1.2	6500	500K	8.80	5.20		9AX		
19HR6	PND	SIN	T5	GEN	RC	H	18.9	150	300	3.0	1.3	8500	500K	8.80	5.20		7BK				
19HS6	PND	SIN	T5	GEN	RC	H	18.9	150	300	3.0	1.5	9500	54K	1.70	0.38		7BK				
19HW8	TRI	PND	T6	IFB	SCO	H	18.9	150	330	0.6	100	800U	1300	70	54K	1.70	0.38	9FA			
19HW8	PND	TRI	T6	AFA	SRC	GE	H	18.9	150	330	15	3.0	125	1.2	6500	200K	5.50	2.40	9FA		
19JN6	TRI	TWN	T5	RFA	SCO	RC	H	18.9	150	300	1.5	1.0	125	1.4	5300	38	7100	2.20	7BF		
19JN8	TRI	PND	T6	OSC	SRC	GE	H	18.9	150	300	2.5	1.25	125	1.4	8500	46	5400	3.20	2.20		
19JN8	PND	TRI	T6	RFA	SRC	GE	H	18.9	150	300	2.5	1.25	125	1.2	7500	200K	3.20	2.20	9FA		
19KG8	S	TRI	PND	T6	OSC	SRC	GE	H	18.9	150	300	2.5	125	1.4	8500	46	5400	3.20	2.20		
19KG8	S	PND	TRI	T6	MIX	SRC	GE	H	18.9	150	300	2.5	125	1.2	7500	200K	5.50	3.40	9LY		
19Q9	ORS	TRI	PND	T6	MIX	SRC	SY	H	18.9	150	330	2.5	125	1.4	8000	40	5000	3.20	1.10	10H	
19Q9	ORS	TRI	PND	TRI	MIX	SRC	SY	H	18.9	150	330	3.0	125	1.2	6500	200K	5.00	2.40	10H		
19TA8	S	TRI	TRD	T6	DET	HIP	SY	H	18.9	150	300	1.0	250	5	1200	70	58K	1.60	1.10	9E	
19TA8	S	TRI	TRD	T6	AFA	SOC	SY	H	18.9	150	300	1.0	250	1	1200	70	58K	1.60	1.10	9E	
19X8	ORS	TRI	PND	T6	OSC	SRC	RC	H	18.9	150	250	1.5	100	8	5800	40	6900	2.00	0.50	9AK	
19X8	ORS	PND	TRI	T6	MIX	SRC	RC	H	18.9	150	250	2.0	250	8	4600	8	750K	4.30	0.70	9AK	
20EW7	S	TRI	DIS	T9	VDA	RCO	TO	H	20.5	300	330	175	10.0	150	45	7500	6	800	7.00	1.20	9HF
20EW7	S	TRI	DIS	T9	VDO	RCO	TO	H	20.5	300	330	77	1.5	250	6	2000	18	8750	2.20	0.40	9HF
20EW7	S	TRI	TWN	T6	AFA	RCA	RC	H	20.0	100	330	1.2	250	1	1600	100	62K		9MJ		
21GY5	REA	SIN	T12	HDA	RCO	GE	H	21.0	450	770	230	18.0	130	40	7700	14K	22.00	9.00	12DR		
21HB5A	S	REA	SIN	T12	HDA	RCO	GE	H	21.0	450	770	230	18.0	130	46	9000	24.00	9.50	12BJ		
21HD5	S	REA	SIN	T12	HDA	RCO	RA	H	21.5	600	770	280	24.0	135	65	10000	5000	5000	12ES		
21HJ5	S	REA	SIN	T12	HDA	RCO	RA	H	21.5	600	770	1000	24.0	135	80	10000	5000	5000	12FL		
21JV6	S	BEA	SIN	T12	HDA	RCO	GE	H	21.0	450	770	230	18.0	130	50	9100	11K	22.00	9.00	12FK	
21JZ6	S	HEA	SIN	T12	HDA	RCO	GE	H	21.0	450	770	230	18.0	130	46	9000	9900	24.00	8.50	12GD	
21KA6	S	REA	SIN	T12	HDA	RCO	GE	H	21.0	450	770	230	18.0	130	50	9100	11K	23.00	8.50	12GH	
21KQ6	S	REA	SIN	T9	HDA	RCO	MT	H	21.5	450	275	17.0	40	40		27.00	11.00	27.00	11.00	9RJ	
21LR8	TRI	BFA	T12	OSC	SY	SRC	SY	H	21.0	450	400	30	2.5	250	2	3600	58	16K	6.50	1.60	9OT
21LR8	TRI	REA	SIN	T12	VDA	RCO	SY	H	21.0	450	400	75	14.0	135	56	9300	12K	16.00	9.00	9OT	
21LU8	TRI	PND	T12	VDO	SOC	SY	H	21.0	450	400	30	2.5	250	2	3600	58	16K	7.00	2.00	12DZ	
21LU8	PND	TRI	T12	VDA	VDA	RCO	SY	H	21.0	450	400	75	14.0	135	56	9300	12K	16.00	9.00	12DZ	

NUMERICAL LISTING - CONTINUED

TUBF TYPE NUMBER	CONE	KIND	TYPE	BULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT CHARACTERISTICS			MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			EIA BASE NO.			
									V	MA	W	V	MA	W	E _B V	T _B MA	G _M UMHO	MU OHMS	PICTOADS IN OUT		
22BH3	D10	SIN	T9	DA	VAC	RC	H	22.4	450	6K	1100	6.5							6.50	9HP	
22BH3A	D10	SIN	T9	DA	VAC	RC	H	22.4	450	6K	1100	6.5							6.50	9HP	
22BW3	D10	SIN	T9	DA	VAC	GE	H	22.4	450	5K	1100	6.5							125X	4CG	
22DE4	D10	SIN	T9	DA	VAC	SY	H	22.4	450	5K	1100	6.5							125X	4CG	
22JF6	S	HEA	SIN	T12	HDA	HIP	RC	H	22.0	450	770	275	17.0	130	80	10000		12K	22.00	9.00	
22JG6A	S	HEA	SIN	T12	HDA	RCD	RC	H	22.0	450	770	275	17.0	130	80	10000		12K	22.00	9.00	
22JU6	S	HEA	SIN	T12	HDA	HIP	RC	SY	H	22.4	450	770	275	20.0	140	45	7000		18K	22.00	9.00
22KM6	S	HEA	SIN	T12	HDA	RCD	RC	SY	H	22.4	450	770	275	20.0	140	80	9500		6000	22.00	9.00
23JS6A	HEA	SIN	T12	HDA	RCD	T0	H	23.6	600	990	315	28.0	175	125	11300		5600	24.00	10.00		
23Z9	TDI	BFA	T9	PA	RCD	GE	H	23.0	450	330	7.0	150	5	120	46	3900	43	11K	3.00	0.40	
23Z9	BEA	TDI	T9	PA	RCD	GE	H	23.0	450	250	7.0	120	46	7100		12K	12.00	7.00			
24GA7	D10	PND	T12	DA	VAC	RA	H	24.0	600	6K	140	5.0							12EB		
24GA7	PND	D10	T12	PA	RCD	RA	H	24.0	600	770	150	15.0	250	75	6600		20K	22.00	11.00		
24JE6A	HEA	SIN	T12	HDA	HIP	RC	H	24.0	600	990	350	30.0	175	130	9600				12EB		
25AV5GA	S	HEA	SIN	T11	HDA	RCD	GE	H	25.0	300	550	400	11.0	250	57	5900		14K	14.00	7.00	
25AX4GT	S	D10	SIN	T9	DA	VAC	RA	H	25.0	300	4K	750	4.8	21	125				6CK		
25BK5	S	REA	SIN	T6	PA	SRC	GE	H	25.0	300	250	9.0	250	37	8500		100K	13.00	5.00		
25B06GTR	S	AEA	SIN	T9	VDA	RCD	*PL	H	25.0	300	550	400	11.0	250	55	5500		20K	15.00	7.50	
25BR3	S	D10	SIN	T6	DA	VAC	T0	H	25.0	300	6K	1200	6.5	19	250				6AM		
25C5	S	REA	SIN	T5	PA	RCD	RA	H	25.0	300	135	5.5	110	50	7500		10K	13.00	6.10		
25C6GA	S	ORS	REA	SIN	T12	PA	SRC	SY	H	25.0	300	200	12.5	135	66	7100		18K	15.00	9.00	
25CA5	S	ORS	REA	SIN	T5	PA	GE	H	25.0	300	130	5.0	125	37	9200		15K	15.00	7.50		
25CD6GA	S	AEA	SIN	T12	HDA	RCD	GE	H	25.0	600	700	20.0	175	75	7700		7200	22.00	8.50		
25CG3	S	D10	SIN	T9	DA	VAC	SY	H	25.0	450	5K	2100	6.5	25	700				12HF		
25CM3	S	D10	SIN	T9	REC	VAC	RC	H	25.0	600	6K	400	12.0	10	350				7CV		
25CU6	S	AEA	SIN	T12	HDA	RCD	SY	H	25.0	300	600	400	11.0	250	57	5900		14K	15.00	7.00	
25DK4	S	D10	SIN	T5	REC	VAC	GE	H	25.0	150	330	100	11.7	90					6AM		
25DN6	S	AEA	SIN	T12	HDA	RCD	SY	H	25.0	600	700	15.0	125	70	9000		4000	22.00	11.50		
25E5	S	PND	SIN	T9	VA	RCD	MT	H	25.0	300	250	200	10.0	170	100		5500	18.00	8.00		
25EC6	S	AEA	SIN	T12	HDA	RCD	GE	H	25.0	600	700	700	10.0	135	70	7500		4700	24.00	10.00	
25EH5	S	PND	SIN	T5	PA	SCD	RC	H	25.0	300	135	5.0	110	42	14600		11K	17.00	9.00		
25F5	S	AEA	SIN	T5	PA	RCD	SY	H	25.0	150	135	4.5	110	37	5800		16K	12.00	6.00		
25F5A	S	HEA	SIN	T5	PA	SCD	RC	H	25.0	150	150	5.5	110	43	6400		130K	12.00	8.00		
25L6GT	S	D10	SIN	T9	PA	RCD	*HY	H	25.0	300	200	10.0	200	47	8000		28K		7S		
25W4GT	S	D10	SIN	T9	DA	VAC	GE	H	25.0	300	4K	750	3.5	125	0	8000		28K	15.00	6.00	
25W6GT	S	ORS	HEA	SIN	T9	PA	GE	H	25.0	300	300	18n	10.0	200	47				4CG		
25Z6GT	S	D10	TWN	T9	REC	VAC	*HY	H	25.0	300	700	450	11.7	75					7S		

NUMERICAL LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USF	TUBE CHAR	REG	K	TYPICAL FILAMENT			MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			CAPACITANCE					
									V	W	MA	V	MA	W	E _B	I _B	G _M	MU	R _P	OHMS	IN	OUT	EIA BASE NO.
26A46	PND	SIN	T5	RFA	RCA	RCA	RCA	H	26.5	70	250	3.0	250	1.0	4000	1M	6.00	5.00	7BK				
26A7GT	REA	TWN	T9	PA	SRC	RCA	RCA	H	26.5	600	50	2.0	26	2.0	5700		16.00	13.00	8BU				
26C66	DWD	TRI	T5	DET	VAC	RCA	RCA	H	26.5	70	250	2.5	250	1.0	1900	16	8500	1.80	1.40	7BT			
26C6	TRI	DWD	T5	VA	SCO	RCA	RCA	H	26.5	70	300	1.0	250	3	250	3	5.80	14.00	7CH				
26D6	PTG	SIN	T5	CON	RCA	RCA	RCA	H	26.5	70	300	14	250	3	1900	14M			9NH				
27GR5	REA	SIN	T9	PA	SRC	AM	AM	H	27.0	300	275	6.0	75	440									
28D7W	ORS	REA	TWN	T9	PA	RCA	SY	H	28.0	400	100	3.0	275	6.0	28	12	3400	4200			8BS		
29G45	REA	SIN	T9	PA	SRC	AM	SC0	H	28.0	300	275	2.5	280	6.0	440	75			9NH				
28HA6	PND	SIN	T6	PA	SC0	RA	RA	H	28.6	150	300	8.0	8.0	8.0	20000	150	20000	50000	50000	12ES			
28H05	BEA	SIN	T12	HDA	RCA	RCA	RCA	H	28.0	450	770	24.0	135	65	10000								
29GK6	PND	SIN	T6	AFA	SRC	RA	MT	H	28.6	150	440	2.5	275	13.2	250	48	11300	38K	10.00	7.00	9GK		
29KQ6	REA	SIN	T9	HDA	RCA	MT	RCA	H	29.0	300	275	17.0	50	50				27.00	11.00			9RJ	
30AE3	DIO	SIN	T6	REC	VAC	RE	HF	H	30.0	300	550	5.0	250	220									
30AG11	DWD	TTR	T9	HF	VAC	GE	HF	H	30.0	150	150	1.8	125	8	7800	66	8500	3.80	2.24	12DA			
30AG11	TTR	DWD	T9	HF	SC0	GE	HF	H	30.0	150	330	2.0	200	60	8800	23K			9CV				
30CW5	PND	SIN	T6	AFA	SRC	TO	TO	H	30.0	150	250	12.0	1000	135	80	10000	50000			12FL			
30HJ5	BEA	SIN	T12	HDA	RCA	RA	RCA	H	30.0	450	770	24.0	1000	135									
31JS6A	REA	SIN	T12	HDA	RCA	GE	H	31.5	450	990	315	28.0	175	125	11300		5600	24.00	10.00	12FY			
32ET5A	S	BEA	SIN	T5	PA	SRC	SY	H	32.0	100	150	5.4	110	30	5500		22K	12.00	6.00	7CV			
32GA7	DIO	PND	T12	DA	VAC	RA	RA	H	32.0	450	6K	140	5.0	250	75	6600		20K		12EB			
32GA7	PND	DIO	T12	PA	RCA	RCA	RCA	H	32.0	450	770	150	15.0									12EB	
33GT7	DIO	PND	T12	DA	VAC	GE	GE	H	33.6	450	3K	125	3.5									12FC	
33GT7	DIO	PND	T12	HDA	VAC	GE	GE	H	33.6	450	400	9.0	130	48	6500		10K	17.00	7.00	12FC			
33GY7A	DIO	PND	T12	DA	VAC	GE	GE	H	33.6	450	4K	810	3.8	21	250					12FN			
33GY7A	PND	DIO	T12	HDA	RCA	GE	GE	H	33.6	450	400	15.5	9.0	130	48	6500		10K	8.50	5.20	12FN		
33JV6	BEA	SIN	T12	HDA	RCA	GE	GE	H	33.6	300	770	18.0	130	50	9100		11K	22.00	9.00	12FK			

NUMERICAL LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND TYPE	BULB	USE	TUBE CHAR	REG TYPE	K FILAMENT TYPE	TYPICAL CHARACTERISTICS			MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			CAPACITANCE			
								V	A	MA	V	MA	W	E _B	I _B MA	G _M	M _U	R _P OHMS	PICOFARADS IN OUT	EIA BASE NO.
34CD3	D10	SIN	T9	DA	VAC	#TS	H	34.5	450	6K	350	12.0	20	680				13.00	12FX	
34CE3	D10	SIN	T9	DA	VAC	SY	H	34.5	450	6K	350	11.0	20	680				20.00	12GK	
34CM3	D10	SIN	T9	REC	VAC	RC	H	33.5	450	6K	400	12.0	10	350				9.00	9HP	
34GD5A	S	BEA	SIN	T5	PA	SRC	RC	34.0	100	150	5.0	110	35	3700				12.00	TCV	
35B5	S	BEA	SIN	T5	PA	RCO	RC	35.0	150	117	4.5	110	41	5800				11.00	6.50	
35C5	S	BEA	SIN	T5	PA	RCO	SY	35.0	150	135	4.5	110	41	5800				12.00	9.00	
35CD6GA	OBS	BEA	SIN	T12	HDA	RCO	SY	35.0	450	700	700	20.0	75	7700				22.00	7CV	
35D28	OBS	TRI	PND	T6	PA	AFA	SCO	#SO	H	35.0	150	150	5	0.8	120	800U			8.50	5BT
35D28	OBS	PND	TRI	T6	PA	#SO	H	35.0	150	150	60	6.5	45	7500				1400	9EX	
35EH5	PND	SIN	T5	PA	SRC	SY	H	35.0	150	150	5.0	110	32	12000				14K	9EX	
35FN5	PND	SIN	T12	HDA	RCO	C1	H	35.0	300	250	700	16.0	100	17000				3500	7CV	
35GL6	BEA	SIN	T5	PA	RCO	GE	H	35.0	150	110	5.5	110	47	7500				12K	6GD	
35HB8	OBS	TRI	PND	T6	AFA	SY	H	35.0	150	150	0.8	115	3900				14.00	7FZ		
35HB8	OBS	PND	TRI	T6	AFA	SY	H	35.0	150	135	6.5	115	32	6200				74	9ME	
35L6GT	BEA	SIN	T9	PA	RCO	#TS	H	35.0	150	200	8.5	110	32	12000				17.00	9.00	
35WAA	S	D10	SIN	T5	REC	VAC	SY	35.0	150	360	660	43	6100				3500	7CV		
35Y4	OBS	D10	SIN	T9	REC	VAC	SY	35.0	150	700	600	117	100					11.00	5BG	
35Z3	OBS	D10	SIN	T9	REC	VAC	#PL	H	35.0	150	600	600	235	100					5AL	
35Z5GT	S	D10	SIN	T9	REC	VAC	#NU	H	35.0	150	700	600	235	100					42	
36AM3B	S	DIO	SIN	T5	REC	VAC	RC	H	36.0	100	365	580	120	75					6AD	
																		5BQ		
38HE7	S	D10	PND	T12	DA	VAC	SY	37.6	450	4K	1200	21	250					7.00	12FS	
38HE7	S	D10	PND	T12	HDA	RCO	SY	37.6	450	500	230	10.0	130	60	8800				6200	8.00
38HK7	S	D10	PND	T12	DA	HIP	GE	37.6	450	4K	1200	1.6	350	60	8800				9.00	12FS
38HK7	S	PND	D10	T12	HDA	RCO	GE	37.6	450	500	230	10.0	130	60	8800				6200	8.00
40FR5	OBS	PND	SIN	T5	PA	SY	H	40.0	100	450	5.2	110	35	6000				20K	7CV	
42KN6	BEA	SIN	T12	HDA	RCO	SY	H	42.0	450	770	400	30.0	130	100	16000				44.00	18.00
																		12GU		

NUMERICAL LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	RULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT V	MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			CAPACITANCE PICOPAADS							
										V	MA	W	V	MA	W	E _B	I _A	G _M	R _P	OHMS	IN	OUT	
50A5	OBS	BEA	SIN	T9	PA	RCD	SY	H	50.0	150	200	10.0	200	55	8200	35K	13.00	6.50	6A				
50B5	S	REA	SIN	T5	PA	RCD	RC	H	50.0	150	135	5.5	110	50	7500	10K	13.00	5.00	7BZ				
50BK5	OBS	REA	SIN	T6	PA	SRC	WH	H	50.0	150	250	9.0	250	37	8500	100K	13.00	5.00	9BZ				
50C5	S	REA	SIN	T5	PA	RCD	SY	H	50.0	150	135	5.5	110	50	7500	10K	13.00	9.00	7CV				
50DC4	D10	SIN	T5	REC	VAC	GE	H	50.0	150	330	720	117	110						5BQ				
50E5	PND	SIN	T5	VA	RCD	MT	SY	H	50.0	150	250	200	10.0	170	100	1100	5500	18.00	8.00	8GT			
50EH5A	S	PND	SIN	T5	PA	SRC	SY	H	50.0	150	150	5.0	110	32	12000	14K	17.00	9.00	7CV				
50FA5	OBS	PND	SIN	T5	PA	SRC	SY	H	50.0	100	150	5.2	110	41	5800	13K	11.00	8.50	8K8				
50FE5	S	PND	SIN	T9	AFA	RCD	RC	H	50.0	150	175	14.5	130	88	9500	8000	15.00	9.00	7CV				
50FK5	S	PND	SIN	T5	AFA	GE	H	50.0	100	150	5.0	110	32	12800	14K	17.00	9.00	7CV					
50HC6	PND	SIN	T5	PA	S ^{CO}	GE	H	50.0	150	150	5.5	110	42	14600	11K	17.00	9.00	7FZ					
50HK6	S	BEA	SIN	T5	PA	SRC	GE	H	50.0	150	150	5.5	110	50	7500	10K	14.00	9.00	7FZ				
50HN5	PND	SIN	T6	AFA	SRC	WH	H	50.0	150	330	120	12.0	70	17000	7500	10K	14.00	9.00	9GK				
50JY6	REA	SIN	T9	HDA	MT	H	50.0	150	275	220	13.0	100	100	14000	5000	17.50	8.00	8MG					
50L6GT	BEA	SIN	T9	PA	RCD	RC	H	50.0	150	200	10.0	200	47	8000	28K			7S					
50X6	OBS	D10	TWN	T9	REC	VAC	SY	H	50.0	150	700	450	117	75					7AJ				
50Y6GT	OBS	D10	TWN	T9	REC	VAC	#HY	H	50.0	150	700	450	117	75					7Q				
56R9	TRI	BEA	T9	VA	SCO	GE	H	14.0	150	150	1.0	100	600U	1800	100	60K	3.40	0.60	12EN				
56R9	REA	TRI	T9	PA	RCD	GE	H	42.0	150	150	6.5	6.5	120	49	7500	10K	12.00	6.50	12EN				
58HE7	D10	PND	T12	DA	VAC	SY	H	58.0	300	4K	200	230	10.0	21	250	60	8800	6200	19.00	7.00	12FS		
58HE7	PND	D10	T12	HDA	RCD	SY	H	58.0	300	500	230	10.0	130	60									
60FX5	PND	SIN	T5	PA	SRC	RC	H	60.0	100	150	5.5	110	35	13500	18K	17.00	9.00	7CV					
60HL5	REA	SIN	T6	PA	HIP	WH	H	60.0	100	330	110	12.0	70	17000	7500			90W					
117L7GT	OBS	D10	PND	T9	REC	VAC	#TS	H	117.0	90	350	450	117	75					8AO				
117L7GT	OBS	PND	T9	PA	RCD	#TS	H	117.0	90	117	105	43	5300						8AO				
117Z3	OBS	D10	SIN	T5	REC	VAC	#TS	H	117.0	40	330	540	117	90					4CB				
117Z6GT	OBS	D10	TWN	T9	REC	VAC	#HY	H	117.0	75	700	360	117	60					7Q				

NUMERICAL LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USE	TURE CHAR	REG	K	TYPICAL FILAMENT TYPE			MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			EIA BASE NO.
									V	MA	V	MA	V	MA	W	E _B	I _B	GM
3238	S	TRI	SIN	ST16	THY	GAS	WE	F	2.5	7000	1K	6000	1K	1500				SAU
393A	S	TRI	SIN	ST16	THY	GAS	WE	F	2.5	7000	1K	6000	1K	1500				SAV
394A	OBS	TRI	SIN	ST14	THY	GAS	CH	F	2.5	3200	1K	2500	1K	640				4AW
395A		TRI	SIN	T4	THY	GAS	#TS	C			140	35	75	10				FL
407A	+	TRI	TWN	T6	GEN	SRC	SY	H	40.0	50	330	18	1.6	150	8	5500	35	
408A	S+	PND	SIN	T5	GEN	SRC	SY	H	20.0	50	180	18	1.7	120	7	5000	3400	2.20
																3.90	2.00	7BD
502A	S	TET	SIN	MT8	THY	GAS	GE	H	6.3	600	1K	1000	650	100			2.50	6BS
CK512AX	ORS	PND	SIN	T3X2	AFA	SCO	RA	F	0.6	20	25	100U	15	50U	100		2M	
CK533AX	OBS	PND	SIN	T3X2	PA	SCO	RA	F	1.2	15	45	650U	22	360U	400		500K	
CK534AX	OBS	PND	SIN	T3X2	VA	SCO	RA	F	0.6	15	30	100U	15	90U	36		5M	
CK579	OBS	D10	SIN	T3	REC	VAC	RA	F	1.2	360	15K	4	50	500U				
837	PND	SIN	ST16	RFA	RCD	RCD	R	H	12.6	700	500	40	12.0	500	30	3400		16.00
884	TRI	SIN	ST12	THY	GAS	RCD	R	H	6.3	600	350	300	75	300	75			10.00
954	PND	SIN	ACO	RFA	SCO	RC	R	H	6.3	150	250	0.5	250	2	1400		1M	6B
955	TRI	SIN	ACO	RFA	RCD	RC	R	H	6.3	150	250	1.6	250	6	2200	25	11K	5B
956	PND	SIN	ACO	RFA	RCD	RC	R	H	6.3	150	250	1.7	250	7	1800		700K	5B
CK1047	S	D10	SIN	T5	REC	GAS	RA	C		3K	100	1K	1K	12				
CK1050A	OBS	TRI	SIN	T2	IND	GAS	RA	F	1.2	250	118	11	65	2				FL
CK1054	OBS	TRI	SIN	T4	THY	GAS	RA	F	1.4	50	45	700U	45	450U				FL
CK1055	OBS	D10	SIN	T3	REG	GAS	RA	C		250	300U	150	150	75U				FL
CK1057	OBS	TE7	SIN	T2	TRG	GAS	RA	C		123	8	68	2					FL
CK1061	+	D10	SIN	T3	REG	GAS	RA	C		155	25	98	15	3400	27	7950		2.40
1216	OBS	TRI	TWN	T5	ONA	SRC	SY	H	6.3	300	175	9	0.5	100	5			0.50
1217	OBS	PTG	SIN	T5	ONA	SRC	SY	H	6.3	300	250	20	1.0	150	6			7BF
1218A	S	TRI	SIN	T5	GGA	SRC	SY	H	6.3	225	300	30	4.0	200	18	10700	55	5.50
GB1220/5654	*	PND	SIN	T5	GEN	SCO	SY	H	6.3	175	200	20	1.6	120	8	5000	300K	1.80
																		7DK
1229	TET	SIN	ST12	EL		SY	F	0.9	35	45	330U	2.5	125	14	7500	40	2.80	4K
1252	S+	TRI	PND	T6	GEN	RCD	SY	H	6.3	450	330	3.0	1.0	125	10	5000	200K	5.00
1252	S+	PND	TRI	T6	GEN	SCO	SY	H	6.3	450	330	3.0	1.0	125	10	5000	200K	5.00
1258	S+	TRI	SIN	T6	THY	GAS	CH	H	6.3	1800	1K	20A	600	50				9AE
1616	OBS	D10	SIN	T16	REC	VAC	RC	F	2.5	5000	6K	800	75	130				7FJ
1620	S+	PND	SIN	MT8	VA	SCO	RC	H	6.3	300	250	250	2	1200	1M			4P
																		7R

NUMERICAL LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND TYPE	BULB	USE	TUBE CHAR	REG	K	TYPICAL FILAMENT TYPE	MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			CAPACITANCE PICOFARADS IN OUT			
									V	MA	W	EB	IB	GM	MU	RP	OHMS	IN
2050W 22901	S+ * TET SIN T9 S+ TET SIN T5	THY VA	GAS SCO	CH GE	H H	6.3 6.3	600 200	1K 180	1000 20	2.0	125 10	600 8000	100 100K	11.00 10000	8.50 10000	7CL	6BS 7EH	
4604	* BEA SIN T12 PA	RCO	RC	H	6.3	690 400	150 25.0	200 200	100 100	6000	11.00 10000	8.50 10000	7CL					
5516	OBS	BEA SIN T11 TRI SIN T5	PA REC	F GAS	C RA	6.0 6.3	700 150	600 180	15.0 1.7	400 90	100 1.7	1K 30	12 8	4000 2000	450K 350K	3.20 4.00	7CS 5BU	
5517	OBS	TRI SIN T5	UHF	WE	SCC	6.0	150	180	1.7	90	4	2000	5100	350K	4.00	2.00	7BD	
559C	OBS	PND SIN T5	UHF	SRC	RC	6.3	150	180	1.7	30	8	250	18	3500	7.00	2.85	7BD	
5591	OBS	PND SIN T5	VHF	SRC	RC	6.0	250	300	5.0	250	18	3500	-	7.00	5.00	7CU		
5618																		
5636	S+ * PND SIN T3	GA	SRC	SY	H	6.3	150	165	11	100	5	3200	-	110K 50K	4.00 9.00	1.90 4.60	8DC 8DE	
5639	S+ * DIO SIN T3	VHF	SRC	SY	H	6.3	450	165	40	150	21	9000	-	110K 50K	4.00 9.00	1.90 4.60	6CJ	
5641	S+ * DIO SIN T3	REC	HIP	SY	H	6.3	450	930	300	235	45	-	-	-	-	-	6CJ	
5642	DIO SIN T3	REC	VAC	SY	H	6.3	200	10K	5	150	15	-	-	-	-	-	6CJ	
5643	S+ * TET SIN T3	THY	GAS	SY	H	6.3	150	500	100	150	16	-	-	-	-	-	6CJ	
5644	* DIO SIN T3	REG	GAS	SY	C	6.3	150	130	25	95	15	-	-	-	-	-	4CN	
5647	* DIO SIN T2	DET	VAC	SY	H	6.3	460	60	150	9	-	-	-	-	-	-	FL	
5651WA	* PND SIN T5	REF	GAS	RC	C	6.3	115	4	85	2	-	-	-	-	-	-	5BD	
5654	S+ * TET TWN T6	UHF	SCC	RA	H	6.3	175	200	20	1.6	150	7	4300	420K 60K	4.00 6.00	2.85	7BD	
5656			VHF	SRC	RA	6.3	400	250	20	3.0	150	16	5800	-	3.60	1.50	9F	
5670	S+ TRI TWN T6	GEN	SRC	GE	H	6.3	350	330	18	1.6	150	8	5500	35	6400	2.20	1.00	8CJ
5663	OBS PND SIN T5	T3X2	PA	GAS	GE	6.3	150	500	60	11	20	-	-	-	-	-	6CE	
5672	OBS PND SIN T5	T3X2	UHF	SCC	RA	1.2	150	100	6	68	3	600	-	125K	2.80	3.50	FL	
5676	TRI SIN T3X2	RFA	RA	SCC	RA	1.2	150	11	1.35	4	1600	15	-	-	-	-	FL	
5678	S+ TRI TWN T6	PA	RCA	RA	H	6.3	90	90	68	2	1100	1	1M	-	3.30	3.80	FL	
5686	S+ BEA SIN T6	PA	RCA	RC	H	6.3	350	250	40	7.5	250	27	3100	45K	6.40	4.00	9G	
5687WA	S+ TRI TWN T6	GEN	RCA	#TS	H	12.6	450	330	65	3.8	120	36	11500	18	4.00	0.60	9H	
5690	S+ DIO TWN T12	REC	VAC	RC	H	12.6	1200	1K	375	700	110	-	-	-	-	-	6S	
5691	S+ TRI TWN T9	VA	SCC	RC	H	6.3	600	275	10	1.0	250	2	1600	70	44K	-	8BD	
5692	S+ TRI TWN T9	VA	RCA	RC	H	6.3	600	275	15	1.8	250	6	2200	20	9100	-	8BD	
5693	S+ PND SIN MT8	VA	SCO	RC	H	6.3	300	10	2.0	250	3	1600	1M	5.30	6.20	8N		
5696	S+ TET SIN T5	THY	GAS	GE	H	6.3	150	500	125	1.1	120	28	-	-	-	-	7BN	
5702WB	S+ PND SIN T5	VHF	SCC	RA	H	6.3	200	165	16	1.1	120	9	5000	26	340K	5.05	3.75	FL
5703WB	S+ TRI SIN T3	UHF	SRC	RA	H	6.3	200	15	1.4	120	9	5000	-	2.60	0.85	FL		
5704WA	ORS DIO SIN T2	DET	VAC	RA	H	6.3	150	460	60	165	9	-	-	-	-	2.20	FL	
5718	S+ TRI SIN T3	UHF	SRC	SY	H	6.3	150	165	22	3.3	150	13	6500	27	2.20	0.70	8DK	
5719	S+ TRI SIN T3	AFA	SCC	SY	H	6.3	150	165	3	0.6	150	2	2300	70	1.70	0.60	8DK	
5725	S+ PND SIN T5	RFA	SCC	RA	H	6.3	175	200	20	1.6	120	5	3200	-	0.85	0.85	7CM	
5726	S+ DIN TWN T5	REC	VAC	RA	H	6.3	300	360	60	117	9	-	-	-	-	3.20	6BT	
5727	S+ TET SIN T5	THY	DIS	GE	H	6.3	600	500	1K	500	-	-	-	-	-	2.40	7BN	

NUMERICAL LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	BUL.B	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT V	MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			EIA BASE NO.		
										V	MA	W	V	MA	W			
5734A	S*	TRI	SIN	T2	EL	SCD	TO	H	6.3	150	300	5	0.4	300	2	2750	20	
5744WB	S*	TRI	SIN	T3	UHF	SCD	RA	H	6.3	200	275	6	1.3	250	4	4000	70	
5749	S*	PND	SIN	T5	RFA	RCD	GE	H	6.3	300	300	3.0	1.0	250	11	4400	1M	
5750	S*	PTG	SIN	T5	CON	GE	GE	H	6.3	300	300	14	1.0	250	3	1M	5.50	
5751	S*	TRI	TWN	T6	VA	SCD	GE	H	12.6	175	330	0.8	250	1	1200	70	5.50	
5755	S	TRI	TWN	T6	VA	SCD	WE	H	12.6	180	225	4	0.9	310	150U	500	7.60	
5763	S	BEA	SIN	T6	VHF	RCD	RC	H	6.0	750	300	50	12.0	300	50	7000	1.40	
5783WA	*	DIO	SIN	T3	REF	GAS	RA	C	6.3	200	91	4	1.65	120	86	2	0.46	
5784WB	S*	PND	SIN	T3x2	REC	SRC	RA	F	1.2	15	4K	520U	1.2	520U	5	3200	9.50	
5785	NIO	SIN	T3x2	REC	VAC	VAC	RA	C							80U		4.50	
5787WA	*	DIO	SIN	T3	REG	GAS	RA	C									9K	
5799	OR5	DIO	SIN	T3	REC	VAC	RA	F	1.2	10	3K	600U	5	200U			PL	
5800	TET	SIN	T3	EL	GEN	RCD	GE	H	12.6	175	330	22	3.0	250	10	2200	8	PL
5814A	S*	TRI	TWN	T6	GEN	RCD	GE	C			200	100	117	25				9A
5823	TRI	SIN	T5	TRG	GAS	RCD	GE	C									4CK	
5824	S	PND	SIN	T9	PA	RCD	GE	H	25.0	300	200	12.5	135	69	5000	15K	PL	
5829WA	S	DIO	TWN	T3x2	REC	VAC	RA	H	6.3	150	360	28	117	5			7S	
5839	S	DIO	TWN	T9	REC	VAC	*BE	H	26.5	255	1K	230	400	50			PL	
5840	S*	PND	SIN	T3	UHF	SRC	SY	H	6.3	150	165	16	1.1	100	8	5000	65	8DE
5841	DIO	SIN	T3	REG	GAS	VII	C				900	150U		50U			FL	
5842	S	PND	SIN	T9	PA	RCD	RA	H	6.3	300	200	38	4.5	130	27	27000	4.00	
5844	S	TRI	TWN	T5	GGA	SRC	WE	H	6.3	300	200	10	1.0	100	5	3700	2.70	
5847A	S	PND	SIN	T6	ONA	SRC	GE	H	6.3	300	200	40	3.3	150	4	8500	0.50	
5875	OR5	PND	SIN	T3x2	RFA	SRC	AM	H	6.3	300	200	40	3.3	150	4	2000K	7.20	
5876	TRI	SIN	PEN	OSC	UHF	SRC	RA	H	6.3	100	100	7	90	4	2500	3.15		
5879	S	PND	SIN	T6	GGA	SRC	WE	H	6.3	300	200	25	6.2	250	18	6500	9X	
5881	OR5	REA	SIN	T6	PA	RCD	TS	H	6.3	900	400	23.0	300	55	1000	2.00	FL	
5886	S	PND	SIN	T3x2	EL	SRC	RA	F	1.2	10	22	300U	8	6U	14	35K	7S	
5889	S	PND	SIN	T3	EL	SRC	RA	F	1.2	8	45	300U	12	4U	10	8M	2.20	
5896	S	DIO	TWN	T3	DET	VAC	SY	H	6.3	300	460	60	60	150	9		2.40	
5899	S*	PND	SIN	T3	UHF	SRC	SY	H	6.3	150	300	1.2	250	2	1000	2M	8DU	
5902	S*	BEA	SIN	T3	PA	RCD	SY	H	6.3	900	400	23.0	300	55	5300	15K	8DE	
5903	S	DIO	TWN	T3	DET	HIP	SY	H	26.5	75	460	60	165	9		3.00		
5904	S	TRI	SIN	T3	VA	SRC	SY	H	26.5	45	55	22	26	3	5000	20	8DU	
5905	S	PND	SIN	T3	DET	SRC	SY	H	26.5	45	55	10	26	2	2800	150K	8DE	
5916	S	PND	SIN	T3	GA	SRC	SY	H	6.3	165	165	16	1.1	100	7	4500	4.00	
5916	S*	PND	SIN	T3	UHF	SRC	SY	H	6.3	450	165	50	4.0	110	30	4200	1.90	
5917	S	PND	SIN	T3	UHF	SRC	SY	H	26.5	45	55	10	26	3	3000	100K	8DE	
5908	S	PND	SIN	T3	UHF	SRC	SY	H	26.5	150	55	10	26	3	2200	31K	8DE	
5915A	S	PTG	SIN	T5	ONA	SRC	GE	H	6.3	300	250	70	1.0	150	6	2400	5.40	
5916	S	DIO	TWN	T1.2	REC	VAC	SY	F	5.0	3000	2K	2500	450	100	5	3200	7.60	
5931	S+	DIO	SIN	T1.2	REC	VAC	SY	F	6.3	900	400	21.0	350	66	225	5.40	8DC	
5932	S+	BEA	SIN	T1.2	PA	RCD	SY	H	6.3	900	600	25.0	600	36	5200	4.00	ST	
5933	S+	HEA	SIN	T1.2	PA	RCD	GAS	VII	C	700	150U	55U		33K		3.40	7S	
5950	S	DIO	SIN	T3	REG	GAS	VII	C								5.40		
5962	NIO	SIN	T5	REG	GAS	VII	C									5.40		

NUMERICAL LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPF	RULB	USF	TUBE CHAR	REG TYPE	K FILAMENT	MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			CAPACITANCE			EIA BASE NO.						
									V	MA	W	EB V	IB MA	GM UMHO	MU OHMS	RP OHMS	PICOFARADS IN	PICOFARADS OUT						
5963	S	TRI	TWN	T6	ONA	SRC	RC	H	12.6	150	250	100	2.5	68	7	2800	22	7850	1.90	0.50	9A			
5964	S	TRI	TWN	T5	ONA	SRC	RC	H	6.3	450	250	75	1.5	100	10	6000	39	6500	2.10	0.40	7BF			
5965A	S+	TRI	TWN	T6	ONA	HP	GIE	H	12.6	225	330	16	4.0	150	8	7000	47	6700	4.00	0.9A	BDH			
5970	OBS	PND	TWN	T3	VHF	SRC	R	F	1.2	160	45	5	45	3	1800	170K	170K	3.30	2.40	8DS	9AZ			
5971	OBS	TRI	SIN	T3X2	VHF	SRC	R	F	1.2	80	90	5	68	4	2100	23	1.60	1.70	FL					
5972	OBS	PND	SIN	T3X2	RFA	SRC	RA	F	1.2	60	75	68	2	100	10	4500	16	4.30	4.10	FL				
5977	S	TRI	SIN	T3	GEN	SRC	SY	H	6.3	150	180	22	3.3	100	10	4500	16	2.00	0.80	8DQ				
5987	S*	TRI	SIN	T3	PA	RCO	SY	H	6.3	450	165	50	4.0	100	9	1800	4	2.80	1.50	BDM				
5993	S*	DIO	TWN	T6	REC	VAC	#BE	H	6.3	800	1K	230	325	70	100	15500	5	350	6.50	2.00	8BD			
5998A	S	TRI	TWN	T12	REG	VAC	GE	H	6.3	2400	275	140	15.0	110	100	15500	5	350	6.50	2.00	8BD			
6005	S*	BEA	SIN	T5	PA	RCO	GE	H	6.3	450	275	22	3.3	100	10	4500	16	4.30	4.10	FL				
6008	OBS	PND	SIN	T2	VA	SCD	RA	F	0.6	13	22	50U	11.0	250	47	4100	4H	52K	8.30	7.50	7BZ			
6012	TEST	TRI	TWN	T12	THY	GAS	SCD	SY	H	6.3	2600	1K	500U	650	900	100	5600	35	6500	2.40	0.28	6CQ		
6021A	S*	TRI	TWN	T3	UHF	SCD	WE	H	6.3	300	165	22	1.1	100	6	5400	35	250K	3.90	2.00	7BD			
6028	OBS	PND	SIN	T5	UHF	SCD	WE	H	20.0	50	180	18	1.7	120	9	5600	35	250K	3.90	2.00	7BD			
6029	OBS	TRI	SIN	T3X2	UHF	RCO	RA	F	1.2	200	135	14	1.0	90	11	2000	8	1.30	1.60	FL				
6C46	S	BEA	SIN	T9	PA	RCO	GE	H	25.0	300	200	200	4.0	100	200	47	8000	15	28K	1.20	1.90	75		
6050	OBS	PND	SIN	T3X2	UHF	SRC	RA	F	1.2	120	150	1.1	1.35	4	1600	4	1400	35K	3.65	3.00	FL			
6051	S*	TRI	TWN	T6	AFA	SRC	GE	H	12.6	175	330	4	1.6	250	3	1800	44	25K	1.50	0.43	9A			
6072A	S*	DIO	SIN	T5	REG	GAS	RC	C			185	30		151	1.8						5BQ			
6073	S*	DIO	SIN	T5	REG	GAS	RC	C			133	30		108	1.8						5BQ			
6074	S*	DIO	SIN	T5	REG	GAS	RC	C			250	125		135	1.8						5BQ			
6080W	S*	TRI	TWN	T12	PA	RCO	RC	H	26.5	600	250	125	13.0	125	7000	2	280	6.00	2.20	8BD				
6082	S	TRI	TWN	T12	PA	RCO	RC	H	26.5	600	250	125	13.0	125	7000	2	280	6.00	2.20	8BD				
6087	S*	DIO	TWN	T9	REC	VAC	GE	H	5.0	2000	1K	375	375	125	350	125	38	6300	2.00	0.40	7BF			
6088	PND	SIN	T3X2	PA	SCD	RA	F				250	125		125	7000	2	280	6.00	2.20	8BD				
6094	* BEA	SIN	T6	PA	RCO	RC	RA	H	6.3	450	250	60	12.5	250	45	4200	4H	32K	8.50	5.30	9DH			
6C96	* BEA	SIN	T5	PA	RFA	SRC	RC	H	6.3	450	250	60	12.0	250	47	4100	4H	52K	8.00	8.50	7BZ			
6099	S	TRI	TWN	T5	RFA	RCO	RC	H	6.3	450	330	25	1.6	100	9	6000	38	2.10	0.10	0.20	8DQ			
6101	S*	DIO	TWN	T5	RFA	RGA	VJ	C			330	0.8	0.8	100	8	6000	38	6300	2.00	0.40	7BF			
6106	OBS	DIO	TWN	T9	REC	#BE	H				1700	2K	415	350	125						5L			
6110	S*	DIO	TWN	T3	DET	VAC	SCD	H	6.3	150	460	26	1.5	4										
6111	S*	TRI	TWN	T3	VA	SRC	SY	H	6.3	300	165	22	1.1	100	8	5000	20	4000	1.90	1.50	8DQ			
6112A	S*	TRI	TWN	T3	VA	SCD	SY	H	6.3	300	165	3	0.6	150	2	2500	70	28K	1.70	0.20	8DQ			
6119	S	DIO	SIN	T3	REG	GAS	VJ	C			2K	150U		60U										
6134	S*	PND	SIN	MT8	RFA	SRC	GE	H	6.3	450	300	3.0	300	10	9000	1.4	11.00	11.00	5.00	8N				
6135	S	TRI	SIN	T5	GEN	RCO	GE	H	6.3	175	300	25	3.5	250	10	2200	17	7700	1.50	1.50	6BG			
6136	S*	PND	SIN	MT8	RFA	SRC	GE	H	6.3	300	300	3.0	300	250	11	5200	1H	6.00	5.00	7BK				
6137	S*	TRI	SIN	MT8	RFA	RGA	GE	H	6.3	300	300	3.0	300	250	12	2000	800K	800K	9.00	7.00	8N			
6143	S	DIO	SIN	T3	REG	GAS	VJ	C			1K	150U		60U										
6145	S*	PND	SIN	T9	VA	SCD	SY	H	6.3	600	300	10.0	150	1.4	9700	100K	100K	14.00	7.50	8V				
6146W	S*	BEA	SIN	T12	PA	RCO	SY	H	6.3	1250	750	15.0	25.0	200	10	7000	100	100	13.50	6.50	7CK			
6152	OBS	TRI	SIN	T3X2	UHF	SRC	RA	H	6.3	200	180	22	1.1	100	10	5100	18	2.90	1.20	1.20	FL			
6159W	S	BEA	SIN	T12	PA	RCO	SY	H	26.5	300	750	15.0	25.0	200	100	7000	100	100	13.50	6.50	7CK			
6174	OBS	TRI	SIN	T5	REC	GAS	RA	C			3K	30		1K										

NUMERICAL LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USE	TUBE CHAR	REG TYPE	K TYPE	TYPICAL FILAMENT CHARACTERISTICS			MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			EIA BASE NO.					
									V	MA	H	V	MA	H	E8 V	I8 MA	G8 OHMS	MU	R8 OHMS	PICOFARADS IN	PICOFARADS OUT		
6186	S	PND	SIN	T5	VHF	SRC	RA	H	6.3	300	330	2.5	250	7	5000	800K	6.50	1.80	7BD	7CM			
6187	S	PND	SIN	T5	RFA	SCC	RA	H	6.3	175	200	2.0	1.7	120	5	3200	5	4.00	3.00	6BD	6A		
6188	OBS	TRI	TWN	T9	GEN	SCO	F	H	6.3	300	275	2.1	250	2	1600	70	44K	1.60	0.40	6CL	6CL		
6189	S*	TRI	TWN	T6	AFA	RCO	SY	H	12.6	150	330	2.2	3.0	250	10	2200	17	7700	1.60	0.40	6CL	6CL	
6195	OBS	BEA	SIN	T3	PA	SRC	RA	F	1.2	220	125	9				2100	120K						
6197	S	PND	SIN	T6	ONA	SRC	RC	H	6.3	650	300	50	7.5	250	30	11000	60	90K	11.50	5.00	9BV	9BV	
6201	S*	TRI	TWN	T6	VHF	REC	VAC	GE	12.6	150	300	2.5	250	10	5500	60	11K	2.20	0.50	5BS	5BS		
6202	S*	DIO	TWN	T5	REC	VAC	GE	H	6.3	600	1K	200		250	50								
6203	S*	DIO	TWN	T6	REC	VAC	GE	H	6.3	900	1K	270		325	70								
6205	S	PND	SIN	T3	UHF	SRC	SY	H	6.3	150	165	1.6	1.1	100	8	5000	260K	4.00	1.90	8DC	8DC		
6206	S	PND	SIN	T3	UHF	SRC	SY	H	6.3	150	165	1.6	1.1	100	7	4500	260K	4.00	1.90	8DC	8DC		
6211A	S*	DIO	SIN	T3	ONA	HIP	GE	H	12.6	150	200	14	1.3	100	7	4700	31	6500	2.90	0.50	9A	9A	
6213A	*+	BEA	SIN	T3	REF	GAS	RA	C		200	2											FL	
6216	OBS	TRI	SIN	T3	PA	RCO	FHY	H	6.3	1200	300	110	10.0	200	51	8800	27	39K	12.30	6.70	9CE	9CE	
6221	OBS	PND	SIN	T3	VA	SCO	F50	H	6.3	175	165	22	3.3	100	8	5800	27	4650	2.20	0.90	8HF	8HF	
6222	*+	TRI	SIN	T3	VA	SCO	F50	H	6.3	175	165	3	0.6	100	7000	1700	70	4120	2.00	0.90	8HF	8HF	
6223	OBS	PND	SIN	T3	VA	SRC	SO	H	6.3	165	165	16	1.1	100	8	5000	175K	4.20	3.40	8DE	8DE		
6224	S*	BEA	SIN	T3	PA	RCO	F50	H	6.3	490	165	50	5.0	110	30	4200	30	10K	6.50	7.50	8DE	8DE	
6225	OBS	PND	SIN	T3	VA	SRC	F50	H	6.3	175	165	16	1.1	100	7	4500	175K	4.10	3.40	8DE	8DE		
6245	OBS	PND	SIN	T3	UHF	SRC	RA	H	6.3	200	200	20	1.8	120	8	5000	150K	4.40	3.15	PL	PL		
6247WA	OBS	TRI	SIN	T3	VA	SRC	RA	H	6.3	200	275	6	1.2	250	4	2600	60		2.00	0.70	8PO	8PO	
6263A	S	TRI	SIN	PEN	UHF	RCO	RC	H	6.0	280	400	70	13.0	350	40	7000	27					FL	
6264A	S	TRI	SIN	PEN	UHF	SRC	RC	H	6.0	280	400	70	13.0	350	35	6800	40					FL	
6265	S*	PND	SIN	T5	VA	SRC	GE	H	6.3	175	300	2.0	2.0	250	7	4600	1M	5.20	4.40	7CH	7CH		
6281	OBS	PND	SIN	T3x2	AFA	SCO	RA	F	0.6	20	25	1000U	15	50U	100		2M	2.50	3.40	9PW	9PW		
6286	TRI	SIN	T3	OSC	SRC	RA	F	1.2	125	100	7	0.4	68	6	2100	12	1.30	2.10	FL	FL			
6293	S	BEA	SIN	T12	PA	RCO	RC	H	6.3	1250	4K	3000	10.0	200	100	7300	13.50	8.50	7CK	7CK			
6299	S	TRI	SIN	CM	UHF	SCO	GE	H	6.3	300	200	12	2.0	175	10	11500	115	9600	3.60	0.60	9CZ	9CZ	
63350	S	TRI	TWN	T6	ONA	SRC	SY	H	12.6	300	300	3.5	150	11	4600	18	3900	6.20	2.60	9PW	9PW		
63360A	S	TET	TWN	T6	VHF	RHF	AM	H	12.6	410	300	50	7.0	300	72	3300	72						
6385	OBS	PND	SIN	T3x2	GEN	SRC	#BE	H	6.3	500	300	25	1.5	150	8	5000	35					FL	
6386	+*	BEA	SIN	T3	CA	SRC	GE	H	6.3	350	300	18	1.5	100	10	4000	17	4250	2.00	1.10	8CJ	8CJ	
6397	S	DIO	SIN	T3	PA	SRC	RA	F	2.5	62	135	14	1.5	125	7	2000	1000U	2.60	2.15	6CL	6CL		
6414	*	TRI	TWN	T6	ONA	SRC	GE	H	12.6	225	200	160	2.0	160	8	5600	42	7650	4.00	0.47	9A	9A	
6417	S	BEA	SIN	T6	VHF	RHF	RC	H	12.6	375	300	50	12.0	300	50	7000	50	25U	9.50	4.50	9X	9X	
6418	OBS	PND	SIN	T2x1	PA	SCO	RA	F	1.2	10	30	900U	22	2400	300		420K					FL	
6419	OBS	PND	SIN	T2x1	VA	SCO	RA	F	0.6	10	25	1000U	15	55U	100		2M					FL	
6436	S	DIO	SIN	T3	REC	GAS	RA	C														FL	
6437	S	DIO	SIN	T3	REG	GAS	RA	C														FL	
6438	S	DIO	SIN	T3	REG	GAS	RA	C														FL	
6443	S	TRI	TWN	T6	ONA	SRC	GE	H	12.6	300	300	4.0	250	14	5200	20	3850	3.00	0.60	9CZ	9CZ		
6445	S	PND	SIN	T5	IFA	SRC	RA	H	6.3	450	300	2.5	3.2	300	10	9000	1000U	400	10.00	2.00	7BK	7BK	
6519	OBS	PND	SIN	T2x1	PA	SCO	RA	F	1.2	10	30	600U	22	4000U	400		300K					FL	
6520	S	TRI	TWN	ST16	PA	RHF	RC	CH	H	6.3	2500	300	125	14.0	135	112	7000	2	280	8.40	2.20	8BD	8BD
6526	OBS	PND	SIN	T3x2	PA	SRC	RA	F	1.2	125	135	12	1.1	110	6	1900	6	140K			FL	FL	

NUMERICAL LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND TYPE	BULB	USE	TURE CHAR	REG TYPE	K FILAMENT	MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			CAPACITANCE PTC/TARADS IN OUT	EIA BASE NO.					
								V	MA	W	ER	IB MA	GM UMHO	MU	RP					
6533WA	S*	TRI	SIN T3	VA	SCD	RA	H	6.3	200	150	2	0.5	120	900U	1800	54	1.75	0.60	8FY	
6540	S+	PND	SIN T3	VHF	SRC	RA	H	6.3	200	165	1.6	1.1	120	8	5000	150K	4.80	3.50	FL	
6542	*	D10	SIN T3	REG	GAS	RA	C			168	25	150	15							FL
6611	PND	SIN T3X2	RFA	SCD	RA	F	1.2	20	50	2	0.1	30	1	1000	400K	4.00	4.00	FL		
6612	PND	SIN T3X2	RFA	SCD	RA	F	1.2	80	50	6	0.2	30	3	3000	180K	5.50	4.20	FL		
6626	S+	D10	SIN T5	REG	GAS	#HY	C			165	30	150	18							580
6627	S+	D10	SIN T5	REG	GAS	#HY	C			170	30	108	18							580
6659	S	D10	SIN T5	REC	GAS	RA	C			3K	40	1K	8							FL
6660	S	PND	SIN T5	RFA	RCO	GE	H	6.3	300	330	3.3	250	1.1	4400	1M	5.50	5.00	78K		
6661	S	PND	SIN T5	RFA	RCO	SR	GE	H	6.3	150	330	3.3	250	7	4600	1M	5.40	4.40	7CM	
6662	S	PND	SIN T5	RFA	RCO	GE	H	6.3	150	330	3.3	250	9	3600						
6663	S	D10	TWN T5	DET	HIP	GE	H	6.3	300	275	60	3	250	1.0	5500	60			7CM	
6664	S	TRI	SIN T5	GEN	SRC	GE	H	6.3	150	330	2.9	250	1.0	52K	8.00				6BT	
6669	S	BEA	SIN T5	PA	RCO	GE	H	6.3	450	250	12.0	250	4.7	4100	280K	6.50	2.00		5CE	
6676	S	PND	SIN T5	RFA	SCO	GE	H	6.3	300	330	2.3	125	1.3	8000					78Z	
6677	S	PND	SIN T6	PA	SRC	GE	H	6.3	650	330	6.5	250	3.1	11000	150K	11.00	5.50		9BV	
6678	S	TRI	PND T6	OSC	SRC	GE	H	6.3	450	330	5.0	150	1.8	8500	40	5000	2.50	0.40	9AE	
6678	S	PND	TRI T6	MIX	SRC	GE	H	6.3	450	330	3.0	250	1.0	5200	400K	5.00	2.60		9AE	
6679	S	TRI	TWN T6	RFA	RCO	GE	H	12.6	150	330	2.8	250	1.0	5500	60	11K	2.20	0.50	9A	
6680	S	TRI	TWN T6	AFA	RCO	GE	H	12.6	150	330	3.0	250	1.0	2200	17	7700	1.60	0.40	9A	
6681	S	TRI	TWN T6	VA	SCO	GE	H	12.6	150	330	1.1	250	1.1	1600	100	62K	1.60	0.46	9A	
6688A	+ PND	SIN T6	VHF	SCO	RA	H	6.3	300	210	2.5	190	1.3	16500	90K	90K	7.50	3.00	9EQ		
6763	+ D10	SIN T5	REC	SCO	RA	C			3K	100	1K	12								
6788	+ PND	SIN T5	AFA	SCO	SY	H	6.3	175	250	0.5	100	800U	1200	1M	2.50	3.20	8DE			
6792	OBS	BEA	SIN T12	REG	RCO	#HY	H	6.3	450	25K	1.0	25K	1	200	10M	4.00	4.00	8GL		
6814	+ TRI	SIN T3	ONA	SRC	SY	H														
6829	S+	TRI	TWN T6	ONA	SRC	GE	H	6.3	150	165	2.2	100	1.0	6000	29	4800	2.20	0.70	8DK	
6832	S+	TRI	TWN T6	VA	SCO	RA	H	6.3	400	275	1.6	150	8	6700	47	7000	4.00	0.50	9A	
6840	OBS	TRI	TWN T6	ONA	SRC	GE	H	12.6	400	300	4.0	100	800U	1000	26	3000	4.00	0.70	8DG	
6842	S	PND	SIN T5	REG	SCO	#NU	H	6.3	150	4K	100	8.0	2K	4	2500	14	6700	20	930K	9CZ
6872	+ PND	SIN T3	VHF	SRC	RA	H	6.3	200	165	1.6	1.1	120	8	4100	340K	5.00	3.50	FL		
6877	OBS	TRI	SIN T6	PA	RCO	#BE	H	6.3	800	200	20	12.0	100	75	6500				9GB	
6883A	S	BEA	SIN T12	PA	RCO	SY	H	12.6	625	750	150	25.0	200	100	7000	26	3000	4.00	0.70	7CK
6887	S	D10	TWN T5	ONA	RCO	RC	H	6.3	200	360	30	2	10	10	100	13.50	8.50	2.20	6BT	
6893	S	BEA	SIN T9	PA	RCO	RC	H	12.6	400	600	75	17.0	250	42	3500	42	12.50	7.00	7CK	
6900	OBS	TRI	TWN T6	GEN	SRC	#RE	H	12.6	450	330	4.2	120	36	11500	18					
6907	S	D10	TWN T14	VHF	RCO	AM	H	12.6	650	750	82	12.5	300	50	2500		6.50	2.50		
6919	S	TRI	TWN T6	GA	HIP	GE	H	6.3	200	300	30	2	100	8	3600		2.20	6BT		
6922	S+	PND	SIN T3	CA	SRC	RA	H	6.3	300	250	22	1.6	100	15	12500	33	3.90	1.95	9DE	
6932	PND	SIN T3	GA	SCO	RA	F	1.2	20	68	2	45	560U	500			3.50	3.85	FL		
6939	TEST	TWN T6	VHF	SCO	AM													9H		
6943	S+	PND	SIN T3	RFA	SRC	SY	H	6.3	175	250	1.5	1.0	100	8	3600		3.80	8DC		
6944	S+	PND	SIN T3	RFA	SRC	SY	H	6.3	175	250	1.5	1.0	100	7	3200		2.90	8DC		
6945	S	BEA	SIN T3	AFA	RCO	SY	H	6.3	350	250	3.0	100	25	3500	20K	5.00	5.50	8DE		
6946	S+	TRI	SIN T3	GEN	SRC	SY	H	6.3	175	250	1.5	1.0	100	9	3800	16	1.60	0.75	8DC	

NUMERICAL LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND TYPE	BULB	USF	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT			MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			EIA BASE NO.					
								V		MA	V	MA	W	E _B	I _B	G _M	M _U	R _P				
																		8CH				
6947	S*	TRI	TWN	T3	GEN	SRC	SY	H	6.3	350	250	1.3	0.8	150	6	4000	35	1.60	0.20	8DG		
6948	*	TRI	TWN	T3	GEN	SCO	SY	H	6.3	350	250	1.0	0.5	100	800U	1600	70	1.60	0.20	8DG		
6954	S	PND	SIN	T5	GA	SCO	WH	H	6.3	360	300	3.0	150	6	2000	50K	6.00	5.00	7CH			
6973	S	BEA	SIN	T6	PA	RCO	RC	H	6.3	450	400	4.5	250	46	4800	73K	8.00	8.50	9EU			
6977	S	TRI	SIN	T2	IND	VAC	AM	F	1.0	30	65	750U	12.0	50	585U				FL			
6999	PND	SIN	T3X2	PA	SCO	RA	F	2.6	50	145	7	0.8	68	4	1600				FL			
7025	S	TRI	TWN	T6	VA	SCO	RC	H	12.6	150	300	1.0	250	1	1600	100	622K	1.60	0.46	9A		
7027A	S	BEA	SIN	T12	PA	RCO	RC	H	6.3	900	450	400	25.0	72	6000	22K	10.00	7.50	8HY			
7036	S	PTG	SIN	T5	GA	SRC	GE	H	6.3	300	250	1.8	0.9	150	6	36	5.40	7.60	7CH			
7044	S	TRI	TWN	T6	ONA	SCO	SY	H	12.6	450	600	4.0	120	36	10000	19.	1900	4.80	0.65	9H		
7054	S	PND	SIN	T6	PA	SRC	RC	H	13.5	275	330	5.0	250	19	11500	100K	10.20	3.50	9GK			
7055	S	DIO	TWN	T5	DET	HIP	RC	H	13.5	350	60	1.17	9	117	9	6200	600K	6.50	2.00	6BT		
7056	S	PND	SIN	T5	IFA	SCO	RC	H	13.5	150	330	2.0	200	10	6200	36	5300	2.60	1.20	9AJ		
7057	S	TRI	TWN	T6	RFA	SRC	RC	H	13.5	180	275	2.2	150	10	6800	1	1600	100	61K	1.60	0.46	9AJ
7058	S	TRI	TWN	T6	GEN	SCO	RC	H	13.5	155	330	1.0	250	1	1600	100	4700	2.70	0.40	9AE		
7059	S	TRI	TWN	T5	OSC	SRC	RC	H	13.5	195	300	2.5	150	18	8500	40	8900	8.00	8.50	9EU		
7059	S	PND	TRI	T6	MIX	SRC	RC	H	13.5	195	300	2.8	250	10	5200	400K	400K	9.00	2.50	9AE		
7060	S	TRI	PND	T6	VA	SCO	RC	H	13.5	280	300	2.5	150	9	4900	40	8200	2.40	0.22	9DA		
7060	S	PND	TRI	T6	RFA	SRC	RC	H	13.5	280	300	3.0	200	15	7000	150K	7000	7.10	2.50	9DA		
7061	S	BEA	SIN	T6	PA	RCO	RC	H	13.5	210	345	9.0	200	38	4200	60K	60K	6.00	8.50	9EU		
7077	*	TRI	SIN	CM	RFA	SCO	GE	H	6.3	240	250	1.0	250	6	9000	80	8900	8.00	2.20	9H		
7079	S*	TRI	TWN	T3	UHF	SRC	RA	F	6.3	300	165	22	1.1	100	8	5000	20	40000	1.50	1.90	8DG	
7083	S*	PND	SIN	T3	VHF	RA	RA	H	6.3	200	165	2.0	1.1	120	8	5000	340K	5.00	3.75	9CY		
7105	OBS	TRI	TWN	T12	PA	RCO	TS	H	12.6	1250	250	1.3	0	135	125	7000	2	280	6.00	2.20	8RD	
7119	OBS	TRI	TWN	T6	ONA	SRC	RE	H	12.6	320	300	6.0	4.5	120	36	15000	24	250U			7FJ	
7160	S	DIO	SIN	T5	REG	GAS	VI	C			4K	2			250U					7FJ		
7161	DIO	SIN	T5	REG	GAS	VI	C			4K	2			250U					7FJ			
7162	DIO	SIN	T5	REG	GAS	VI	C			2K	2			250U					7FJ			
7167	S	TEST	SIN	T5	VHF	SCO	WH	H	13.5	90	180	2.0	125	1	8000	48	11300	17	8100	2.30	0.30	9JT
7189A	S	PND	SIN	T6	PA	RCO	AM	H	6.3	760	400	65	12.0	290	48	7000	1	7000	5.00	2.00	9JT	
7190	OBS	TRI	SIN	T6	THY	GAS	TS	H	6.3	1800	1K	20A	1K	1000				13.50	8.50	8EC		
7191	S*	TRI	SIN	T6	THY	GAS	TS	H	6.3	1600	1K	20A	1K	1000								
7192	OBS	TRI	SIN	T6	THY	GAS	TS	H	6.3	1600	1K	20A	2.4	215	1	8000	17	8100	2.30	0.30	9JT	
7199	S	PND	TRI	T6	VA	SRC	RC	H	6.3	450	330	3.0	220	1	7000	400K	400K	13.50	8.50	8EC		
7199	S	BEA	SIN	T12	PA	SCO	RC	H	6.3	1250	750	135	25.0	600	100	7000						
7212	S*	TRI	SIN	T6	REG	RCO	GE	H	6.3	1250	330	14.0	7.5	125	120	17500	230	7.50	2.20	9FR		
7233	TRI	SIN	T6	REG	RCO	GE	H	6.3	1250	330	14.0	7.5	125	120	17500	230	7.50	2.20	9FR			
7234	S	TRI	SIN	T6	REG	SCO	NU	H	6.3	190	10K	8	8K	8	3600	550	700K	1M	9KD			
7235	S	TRI	SIN	T6	REG	RCO	NU	H	6.3	300	10K	10K	12.0	1K	2	800	550	700K	9KD			
7236	S	TRI	TWN	T12	PA	RCO	TS	H	6.3	2400	300	190	15.0	120	100	12500	5	300K	9.00	3.30	8BD	
7239	S	BEA	SIN	T6	REG	SRC	GE	H	6.3	300	2K	65	4.0	300	10	4200	300K	7.00	4.00	9KH		

NUMERICAL LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USE	TUBE CHAR	REG	K	TYPICAL FILAMENT			MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			CAPACITANCE			EIA BASE NO.	
									TYPE	V	MA	W	V	MA	W	V	MA	W	V	MA	W	
										SCC	RA	H	SCC	GE	H	SCC	GE	H	SCC	GE	H	
7246	TRI	SIN	T3X2	GEN	SCC	RA	H	1.2	150	150	6	0.7	105	4	2700	22	1.60	1.90	FL			
7247	TRI	DIS	T6	GEN	SCC	GE	H	12.6	150	330	1.2	250	1	1600	100	62K	1.60	0.37	9A			
7247	TRI	DIS	T6	CON	RCG	GE	H	12.6	150	330	2.2	250	1.2	2200	17	7700	1.80	0.33	9A			
7258	TRI	PND	T6	OSC	SRC	SY	H	13.5	210	330	2.8	150	1.5	4500	21	4700	2.00	0.26	9DA			
7258	TRI	PND	T6	RFA	SCC	SY	H	13.5	210	330	2.3	125	1.2	7800	21	170K	2.40	0.26	9DA			
7266	OBS	DIO	SIN	CH	DET	VAC	GE	6.3	215	600	10	2	2	4000U	EB	1B	GM	MU	RP	PICO FARADS IN	OUT	
7286	S	DIO	SIN	T5	REG	GAS	V1	C	6.3	400	330	20	3.3	200	15	15000	80	5300	5.00	0.06	9DE	
7296	OBS	TRI	SIN	CH	VHF	SCC	GE	H	6.3	335	400	110	1.6	100	15	12500	33					
7308	S*	TRI	TWN	T6	GEN	AM	H	6.3	800	300	21.0	250	8.6	6000								
7311	+	BEA	SIN	CH	PA	#BE	H	6.3	280	80	2.8	100	1.2	3100	20	6250	1.80	0.50	9A			
7312	+	TRI	SIN	CH	GEN	#BE	H	6.3	1250	275	150	20.0	135	125	7100	2						
7313	+	DIO	SIN	CH	REC	VAC	#BE	H	6.3	1550	3K	1000	10.0	30	10500		15.00	13.00	BDG			
7314	S+	BEA	SIN	CH	PA	RCG	RC	H	6.3	300	500	100	250	74	7600		42K	13.00	6.00	8KN		
7316	OBS	TRI	TWN	T6	ONA	RCA	RC	H	12.6	150	250	20	3.5	135	25.0	600	100	7000	13.50	0.50	8EC	
7323	S*	TRI	SIN	T2	THY	GAS	#TS	C	1.2	280	80	3	65	2								
7327	TRI	TWN	T3	ONA	PA	RCA	RC	H	6.3	300	300	1.0	300	700	74	7600		42K	1.90	0.32	BDG	
7355	S	BEA	SIN	T9	PA	RCA	RC	H	6.3	800	500	18.0	250	74	7600							
7357	S	BEA	SIN	T12	PA	RCA	RC	H	26.5	300	750	135	300	100	7000							
7358	OBS	BEA	SIN	T12	ONA	RCA	RC	H	6.3	1250	4K	3000	10.0	3K	1500	8	5400	13.00	6.50	8EC		
7360	S	TRI	TWN	T6	GEN	RCA	#TS	C	40.0	130	330	65	4.8	120	36	11500	18	1560	4.00	0.60	9H	
7370	S	TRI	SIN	CM	UHF	SCC	GE	H	6.3	385	200	1.2	2.0	150	1.2	11000	62					
7391	S	TRI	SIN	T4	THY	GAS	#TS	C	180	180	8	150	7	4100	250	47	50K	9.00	7.50	FL		
7400	S	BEA	SIN	T3	THY	GAS	#TS	C	6.3	450	350	14.0	14.0	7								
7408	S	BEA	SIN	T9	PA	RCA	WH	H	6.3	450	350	14.0	250	47								
7432	OBS	PND	SIN	T3	RFA	SCC	RA	H	6.3	200	200	100	8	5500								
7433	OBS	PND	SIN	T3	RFA	SCC	RA	H	6.3	200	200	100	7	3100								
7434	OBS	PND	SIN	T3	VA	SCC	GE	H	6.3	240	250	1.0	150	7	10500	94	9000					
7462	S	TRI	SIN	CH	PA	SCC	GE	H	6.3	240	250	1.0	150	8	10500	90						
7486	S*	TRI	TWN	T6	AFA	SRC	ST	H	12.6	150	330	20	3.0	250	10	2200	17	7700	1.60	0.50	9A	
7489	S+	TRI	TWN	T6	AFA	SCC	ST	H	12.6	300	300	5.0	250	6	3200	24						
7490	S+	TRI	TWN	T6	RFA	ST	H	12.6	150	380	22	2.8	250	10	5500	60						
7492	S+	TRI	TWN	T6	AFA	SCC	ST	H	12.6	150	330	20	1.1	250	1	1600	95					
7494	S+	PTG	SIN	T5	IF	SCC	SY	H	6.3	300	330	3.3	250	1	4400	11						
7496	S+	PND	SIN	T5	RFA	ST	H	6.3	300	300	3.0	250	11	5200								
7498	+	PND	SIN	T5	RFA	SCC	ST	H	6.3	300	300	3.0	250	10	7600							
7499	+	PND	SIN	T6	VHF	SCC	ST	H	6.3	750	300	65	12.0	250	40	11000						
7500	+	BEA	SIN	T6	PA	SCC	ST	H	6.3	350	350	13.2	250	45	4100							
7502	+	PTG	SIN	T5	CON	SCC	ST	H	6.3	300	330	1.6	1.1	250	3	7200	1M	7.50	13.50	7CH		
7543	S+	PND	SIN	T5	IF	SCC	SY	H	6.3	300	300	3.0	250	11	5200							
7548	HEX	SIN	T6	SEM	SCC	#HY	H	6.3	570	400	20	4.0	400	20	22000							
7550	S	TRI	TWN	T3	ONA	SCC	SY	H	6.3	525	300	2.0	300	1400								
7551	S+	BEA	SIN	T6	RFA	RC	RC	H	13.5	360	300	70	10.0	250	40							
7552	S+	TRI	SIN	PEN	CON	RC	RC	H	6.3	225	250	2.5	125	14	16000	70	4400	10.00	5.50	9LX		
7553	+	TRI	SIN	PEN	UHF	RC	RC	H	6.3	225	250	2.5	125	12	13000	80	6150	4.40	0.03	9LJ		

NUMERICAL LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	RULB	USE	TUBE CHAR	REG	K	TYPICAL FILAMENT			MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			CAPACITANCE PICOFARADS IN OUT			
									V	MA	W	V	MA	W	EA	IB MA	GM	MU	RP	PICOHFS	CAPACITANCE
7558	S	REA	SIN	T6	RFA	RCO	RC	H	6.3	800	300	70	10.0	250	40	5300	10.00	5.50	9LK	7S	
7561		PND	SIN	T9	PA	SCO	TE	H	25.0	300	350	150	13.0	250	51	1000	46	5000	12.00	FL	
7576		TRI	SIN	T3	GGA	SCO	RA	H	6.3	450	250	50	4.1	200	16	10700	33	2900	4.00	12A0	
7586	*	TRI	SIN	M74	GEN	SCO	RC	H	6.3	140	330	20	1.0	75	10	11500	33	2900	6.50	1.40	
7587	*	TET	SIN	M74	GEN	SCO	RC	H	6.3	150	330	20	2.2	125	10	10600	33	2900	6.50	1.40	
7588	S	TRI	SIN	CM	RFA	SCO	GE	H	6.3	400	300	30	5.5	200	25	40000	125	3100	6.50	0.08	
7594		BEA	SIN	T9	PA	RCO	WH	C	*HY	GAS	*HY	C	*HY	GAS	1K	100	300	75	10200	29K	10.00
7595	ORS	TRI	SIN	T3	TRG	SCO	*HY	C	*HY	GAS	*HY	C	*HY	GAS	1K	100				FL	FL
7596	ORS	TRI	SIN	T3	TRG	SCO	*HY	C	*HY	GAS	*HY	C	*HY	GAS	1K	100				FL	FL
7597	ORS	TRI	SIN	T3	TRG	SCO	*HY	C	*HY	GAS	*HY	C	*HY	GAS	1K	100				FL	FL
7598	ORS	TRI	SIN	T3	TRG	SCO	*HY	C	*HY	GAS	*HY	C	*HY	GAS	2K	500A	550	550		FL	FL
7599	ORS	TRI	SIN	T5	TRG	SCO	*HY	C	*HY	GAS	*HY	C	*HY	GAS	1K	500A	550	550		FL	FL
7600	ORS	TRI	SIN	T5	TRG	SCO	*HY	C	*HY	GAS	*HY	C	*HY	GAS	6K	500A	500	500		FL	FL
7602	ORS	TRI	SIN	CM	AFA	SCO	GE	H	6.3	240	275	50	4	0.8	150	950U	1400	80	57K	1.50	0.03
7625		PND	SIN	T3x2	PA	SCO	RA	F	1.2	125	135	12	1.1	110	7	2000			3.20	2.90	
7626	ORS	PND	SIN	T5	VAC	SCO	ST	H	6.3	300	360	10	1.0	10	14	5000	18				
7631	*	DIO	TWN	T5	OSC	AM	AM	H	6.3	330	275	18	1.8	100	10	6200					
7643	S+	TRI	PND	T6	OSC	AM	AM	H	6.3	330	275	18	2.2	170	10	15000	110				
7643	S+	PND	TRI	T6	OSC	AM	AM	H	6.3	300	200	12	2.0	175	10						
7644	S	TRI	SIN	CM	UHF	SCO	GE	H	6.3	300	250	40	3.5	200	20	10500					
7645	S	TET	TWN	T6	UHF	SCO	AM	H	12.6	300	300	150	1K	20	15.0	800	12	4200	35K		
7683		PND	SIN	T6	REG	SRC	VI	H	6.3	150	330	1K	20	15.0	20	215	8	2500	18	7200	2.20
7687	S+	TRI	PND	T6	AFA	RCA	SY	H	6.3	500	330	30	4.4	220	10	5800	20	500K	7.00	2.80	9AE
7697	S+	PND	TRI	T6	AFA	RCA	SY	H	6.3	500	330	30	4.0	220	10	5200	17	7700			9AE
7688	ORS	TRT	SIN	T7	GEN	RCA	*HY	H	6.3	450	330	20	3.0	250	10	2200					12BA
7689	ORS	TRT	SIN	T7	GEN	SRC	*HY	H	6.3	450	330	1.1	2.8	250	1	1600	100	62K			
7690	ORS	TRT	SIN	T7	GEN	SRC	*HY	H	6.3	450	330	1.5	2.6	250	10	5500	60	11K			
7693	*	PND	SIN	T5	RFA	SRC	AM	H	6.3	150	330	17	3.3	250	7	4600		1M			
7694	S+	PND	SIN	T5	RFA	SRC	AM	H	6.3	150	330	17	3.3	250	9	3800		1M			
7695	S	REA	SIN	T9	PA	SRC	SY	H	50.0	150	150	16.0	130	108	100	11000		7000	14.00	9.00	9PX
7701		REA	SIN	T6	PA	SRC	GE	H	13.6	160	350	45	9.0	250	28	3600		31K	7.00	3.60	9MS
7716		TRI	PND	T6	VA	SCO	GE	H	13.6	350	330	5.0	1.0	125	24	2900	102	35K	2.40	2.40	9DX
7716		PND	TRI	T6	VA	SCO	GE	H	13.6	350	330	5.0	2.0	200	24	10000		70K	9.50	4.40	SDX
7717	S	TET	SIN	T5	VHF	SCO	GE	H	6.3	200	180	20	2.0	125	10	8000		125K	4.50	3.00	7EW
7717		TRI	SIN	T6	ONA	HIP	*TS	H	12.6	450	330	46	6.0	300	4	3500	25	7100	6.50	1.00	9MX
7720	S	TRI	SIN	CM	OSC	GE	GE	H	13.6	160	350	45	9.0	250	28	3600		31K	7.00	3.60	9MS
7721	ORS	PND	SIN	T6	VA	SCO	*HY	H	6.3	320	400	29	4.0	190	22	35000	102	120K	10.00	2.00	9EQ
7722	ORS	PND	SIN	T6	VA	SCO	*HY	H	6.3	320	400	30	4.0	190	20	26000	100K	100K	9.30	2.10	9EQ
7724	S	TRI	DWD	T6	DET	VAC	GE	H	14.0	150	330	1.1	250	700U	1000	72K			2.40		
7724	S	TRI	DWD	T6	VA	SCO	GE	H	14.0	150	330	1.1	250	700U	1000	72K			0.24		
7727		PND	SIN	T3	EL	RE	F	H	1.2	8	12	1.0	150	8	10500	90		1.80	0.32		
7728	ORS	TRI	TWN	T6	AFA	SRC	*HY	H	12.6	150	330	2.8	250	10	5500	60	11K				
7730	ORS	TRI	TWN	T6	AFA	RCA	RCO	H	12.6	150	330	20	3.0	250	10	2200	17	7700	1.60	0.40	9A
7731	ORS	PND	TRI	T6	OSC	DET	GE	H	6.3	450	330	3.0	150	18	8500	40	5000	2.50	0.40	9AE	
7731	ORS	PND	TRI	T6	MIX	SRC	*HY	H	6.3	450	330	3.0	250	10	5200	400K	400K	5.00	2.60	9AE	

NUMERICAL LISTING - CONTINUED

TUBE NUMBER	CODE	KIND	TYPE	BULB	USE	TUBE CHAR	REG TYPE	K FILAMENT	MAXIMUM PLATE CHARACTERISTICS				TYPICAL CHARACTERISTICS				EIA BASE NO.			
									V	MA	V	MA	V	MA	GM	MU	RP			
7732	OBS	PND	SIN	T5	IFA	SRC	#HY	H	6.3	300	330	2.3	250	8	600K	6.5K	2.00	7CM		
7733	OBS	PND	SIN	T6	VHF	RCO	#HY	H	12.6	300	330	6.5	250	24	12000	90K	10.7K	4.00		
7737		PND	SIN	T6	GEN	SRC	AM	H	6.3	320	210	25	3.0	190	13	16500	7.6K	4.00	9BF	
7738		TRI	SIN	T5	UHF	SRC	SY	H	6.3	225	330	4.0	5.0	200	12	9500	80	3.00	9MZ	
7751	OBS	PND	SIN	T8	PA	RCO	#HY	H	6.3	1200	550	200	10.0	100	100	14000	5000	1.80	7DK	
7754	S	BEA	SIN	T9	PA	RCO	SY	H	6.3	1200	150	16.0	130	108	11000	7000	14.00	9.00		
7757	+*	BEA	SIN	T6	PA	SRC	#BE	H	6.3	600	3K	75	14.0	250	45	4100	35	2.00	9PX	
7759	+*	TRI	TWN	T3	GEN	SRC	SY	H	26.5	90	165	22	1.1	100	6	5400	20	0.33	8DG	
7761	+*	PND	SIN	T3	VHF	SRC	SY	H	26.5	110	165	4.0	4.0	150	26	5000	20	2.20	8DG	
7762	S+	REA	SIN	T3	AFA	RCO	SY	H	26.5	110	165	50	4.0	110	30	4200	15K	6.50	8DE	
7763	S+	REA	SIN	T6	IFA	SRC	GE	H	6.3	300	330	12	0.8	100	4	1000	200	4.50	8DE	
7766	S	TRI	SIN	CM	RFA	SRC	GE	H	6.3	400	300	5.5	200	24	5000	225	4500	9NF		
7784	S	TRI	SIN	CM	UHF	SRC	GE	H	6.3	300	200	12	2.0	160	10	15000	110	3.50	16.00	
7788	+*	PND	SIN	T6	VHF	SRC	AM	H	6.3	340	250	5.0	135	35	50000					
7802	S	TRI	TWN	T12	PA	HIP	#TS	H	6.3	2500	250	160	13.0	100	115	20000	8	3.30	1.80	
7803	S	TRI	TWN	T6	VA	SRC	SY	H	6.3	365	200	30	3.5	90	15	12500	33	1.10	1.20	
7841		DIO	SIN	CM	DET	VAC	GE	H	6.3	215	350	5	200	11	16U	4000	2M	2.60	7GE	
7851	S	DIO	SIN	T5	EL	SRC	#TS	H	2.5	200	12	1.2	1.2	400U				FL		
7859	S	DIO	SIN	T4	REG	GAS	V1	C				1								
7861	S	TRI	TWN	T6	GEN	SRC	GE	H	12.6	175	330	1.8	1.4	150	8	5500	35	6400	2.20	
7867	S	BEA	SIN	T12	PA	RCO	#TS	H	6.3	2500	700	220	24.0	250	81	10000	12K	22.00	5BT	
7858		PND	SIN	T9	PA	HIP	RC	H	6.3	800	550	90	19.0	300	75	10200	29K	11.00	4.40	
7867	S+	TRI	TWN	T3	GEN	SRC	SY	H	26.5	90	165	22	1.1	100	8	5000	20	1.90	3.00	
7888	+*	TRI	SIN	T3	OSC	SRC	SY	H	26.5	45	330	22	3.3	150	13	6500	27	2.20	8DK	
7889	S+	TRI	TWN	T3	AFA	SRC	SY	H	26.5	90	330	3	0.6	150	2	2500	70	1.70	2.60	
7892		DIO	SIN	T6	VA	HIP	#TS	H	6.3	900	330	4.2	175	5000				4.00		
7894		T4	REG	V1	C	GAS	V1	C				2	400U					0.60		
7895	+*	TRI	SIN	M14	GEN	SRC	SCO	RC	H	6.3	135	330	1.5	1.0	110	7	9400	64	6800	9EP
7898	+*	TRI	TWN	T6	GEN	SRC	RC	H	13.5	150	330	2.8	2.8	250	10	5500	60	11K	2.50	
7905	BEA	SIN	T6	PA	SCO	RC	H	6.3	650	300	60	10.0	200	36	6700		8.50	5.50		
7962	OBS	TET	TWN	T3	UHF	SCO	#SY	H	6.3	235	100	15	0.8	60	9	9500	20	3.00	9PB	
7963	+*	TRI	TWN	T3	UHF	SCO	SY	H	6.3	350	165	22	1.1	100	8	13000	40	3.60	8DG	
7973	S	BEA	SIN	T6	PA	SRC	AE	H	5.0	230	150	5.0	150	28	4300					
7980	DIO	SIN	T5	REG	GAS	MU	C				130	10	84	6					9L	
7983	OBS	TET	TWN	T6	GEN	RCO	AM	H	3.2	1650	300	65	7.0	250	45	3000				
7994		TRI	SIN	T3	GGA	SCO	RA	H	6.3	250	200	30	2.0	100	1.3	18000	41	2K	9.50	
7995	PND	SIN	T3	RFA	SCO	RA	RA	C	6.3	250	200	30	1.6	150	8	13000	1K	85K	8.50	
7996	+*	DIO	SIN	CM	REC	GAS						300		12					2.75	

NUMERICAL LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USE	TUBE CHAR	REG	K	TYPICAL			MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			EIA PICKETARD NO.				
									FILAMENT		V	CHAR		V	MA	W	EBO	IB	GM	MU	RP	
									REG	TYPE	V	MA	V	MA	W	V	MA	UMHO	OHMS			
8032	S	RE A	SIN	T12	PA	RC	RC	H	13.5	625	400	90	25.0	400	50	7000	13.50	8.50	7CK			
8042		BE A	SIN	T13	OSC	R C	R C	H	1.6	3200	650	160	25.0	600	150	7000	13.50	8.50	BLJ			
8056	S*	TRI	SIN	MT4	GEN	R C	HIP	H	6.3	135	50	15	0.4	24	8	7000	12	1650	12AQ			
8058	S+	TRI	SIN	MT4	GEN	R C	SCO	H	6.3	135	150	1.5	1.5	110	10	12400	70	5600	1.30	12CT		
8064	OBS	PND	SIN	T3		R C	SY	H	26.5	45	165	16	1.1	100	7	4500	275K	4.00	1.90	8DE		
8069	S	DIO	SIN	T4	REG	GAS	VI	C			8K	2				500U						
8070		TRI	SIN	T3	UHF	SRC	SY	H	6.3	125	165	20	1.0	110	8	11000	58	3.30	2.10	8LD		
8071	+	TRI	SIN	T3	UHF	S CO	SY	H	6.3	125	330	20	2.0	150	12	12000	65	100K	10.20	8LE		
8077	S	PND	SIN	T6	PA	SRC	RC	H	13.5	275	330	5.0	250	19	11500	400U			9GK			
8089		DIO	SIN	T4	REG	GAS	VI	C			2K	1								FL		
8090		DIO	SIN	T6	REG	GAS	VI	C			4K	2				500U						
8091		DIO	SIN	T6	REG	GAS	VI	C			4K	1										
8096	+	TRI	SIN	T3	GEN	SCO	RA	H	6.3	200	150	2	0.5	120	50							
8097		TRI	SIN	T6	THY	GAS	*TS	H	28.0	420	1K	20A	2.5	125	14	8500	46	5400	3.60	2.00	9PJ	
8102		TRI	PND	T6	GEN	SCO	GE	H	13.5	230	330		2.5									
8102		PND	TRI	T6	GEN	SRC	GE	H	13.5	230	330	20	2.5	125	12	7500	20	200K	5.50	3.40	9PJ	
8103		TRI	T2N	T3	GEN	SCO	SY	H	26.5	85	55	22		26	6	11000	20					
8106		BE A	SIN	T6	A FD	SRC	GE	H	13.5	250	330	40	6.0	300	16	9000	17	19000	42	10.00	2.80	9PL
8108		TRI	SIN	L1T	GEN	AM	H	H	6.3	735	500	70	10.0	180	60	21000	43	20K	4.30	2.80	7EW	
8113	+	TET	SIN	T5	HF	S CO	GE	H	6.3	200	20	2.0	120	10	7000	10						
8136	S	PND	SIN	T5	I FA	S CO	GE	H	6.3	300	330	330	2.2	125	11	9800						
8156		BE A	SIN	T9	PA	R CO	GE	H	13.5	300	600	100	15.0	200	75	7600						
8165	S*	TRI	SIN	T3	GGA	SRC	SY	H	6.3	300	500	50	4.2	200	17	19000	42					
8186	S+	TRI	SIN	T3	GGA	SRC	SY	H	26.5	75	250	50	4.2	200	17	19000	42					
8203	+	TRI	SIN	MT4	RFA	SRC	RC	H	6.3	160	300	30	1.8	150	7	6000	30	5000	4.20	1.60	12AQ	
8206		DIO	SIN	T4	REG	GAS	VI	C			12K	2				500U						
8210		PND	SIN	T3	VHF	SCO	SY	H	6.3	125	165	16	1.1	100	8	8500						
8211	+	PND	SIN	T3	VHF	SCO	SY	H	6.3	360	330	40	4.0	150	17	15500						
8212	+	TRI	SIN	T6	REF	AM	SY	H	12.6	230	300	75	10.0	105	25	29000	28					
8213	+	TRI	SIN	T3	GEN	AM	SY	H	12.6	190	300	50	5.0	105	23	23000	31					
8223	+	TRI	TWN	T6	CA	SRC	SH	H	6.3	475	250	40	3.0	100	8	18000	25	1400	4.70	4.70	9AJ	
8228	+	DIO	SIN	T2	REF	AM	SY	H	6.3	300	115	4		82	4							
8233	+	PND	SIN	T9	GEN	MU	SY	H	6.3	300	400	75	10.0	125	50	45000						
8254		TRI	SIN	T3	UHF	AM	SY	H	6.3	185	110	22	1.5	14500	14							
8255		TRI	SIN	T6	GGA	UHF	TE	H	6.3	160	550	12	1.8	150	12	13500	65					
8256		DIO	SIN	T4	REG	GAS	VI	C			4K	2				350U						
8257		DIO	SIN	T4	REG	GAS	VI	C			1K											
8319	+	TRI	SIN	T3	UHF	SCO	SY	H	6.3	150	165	20	1.0	100	8	14000	55					
8327	S	PND	SIN	T6	PA	SRC	RA	H	6.3	760	450	72	13.2	250	48	11300	19					
8334	+	TRI	SIN	T5	UHF	SCO	SY	H	6.3	225	330	33	4.4	200	18	10700	55					
8348		TET	SIN	T6	VHF	AM	F	1.6	2500	300	55	7.0		300	50	3300						
8358		BE A	TWN	T6	UHF	R CO	MT	F	1.9	3150	250	100	7.5		180	50	10000					
8380	+	TET	SIN	MT4	GEN	SCO	RC	H	7.2	1000	250	25	1.6	150	11	11000	28	2200	7.00	2.00	9QH	
8382	+	TRI	SIN	MT4	GEN	SCO	RC	H	7.2	1000	250	25	2.0	75	15	12800	15	4.40	1.60	12AS		
8393	+	TRI	SIN	MT4	OSC	SCO	RC	H	13.5	60	110	15	1.0	75	10	13300	35	3000	4.40	1.60	12AQ	

NUMERICAL LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND TYPE	BULB	USF	TUBE CHAR	REG TYPE	K TYPICAL FILAMENT V	MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			CAPACITANCE .PICOFARADS IN OUT				
								E8 V	E8 MA	E8 MH	MU V	MU MA	RP OHMS	CHMS	CHMS	CHMS		
8408		TET	T6	UHF	AM	F	1.1	3000	300	45	4.0	275	40	7000	50K	90V		
8414	*	PND	SIN T3	VHF	SCO	SY	26.5	45	55	10	0.8	26	4	5000	1M	8DC		
8425A	S	PND	SIN T5	GEN	SCO	GE	6.3	300	330	3.5	250	10	6200	1M	78K			
8426A	S	PND	SIN T5	GEN	SCO	GE	12.6	150	330	3.5	250	10	6200	1M	78K			
8431		TRI	T6	VHF	SRC	SY	12.6	180	200	30	3.5	90	15	12500	33	9AJ		
8441	+	TRI	SIN MT4	GEN	SCO	RC	H	7.2	1000	250	15	1.0	110	7	9400	64	6800	
8444	+	PND	SIN T3	GEN	SCO	SY	6.3	125	165	17	1.1	100	8	9000	260K	5.20		
8445	S+	TRI	PND T6	GEN	SRC	#TS	6.8	440	330	2.0	100	12	7000	43	2.50			
8445	S+	PND	TRI T6	VA	SCO	#TS	6.8	440	330	1.7	170	10	6200	400K	5.50			
8446	+	PND	TRI PND T6	GEN	SRC	#TS	6.8	440	330	2.0	100	12	7000	43	2.50			
8446	+	PND	TRI DWD T6	DET	HIP	#TS	6.8	440	330	1.7	170	10	6200	400K	5.50			
8447	++	DWD	TRI T6	GEN	SRC	#TS	13.5	190	300	60	2.5	250	10	5500	60	2.00		
8447	++	PND	SIN MT4	VHF	SRC	#TS	13.5	190	300	6.5	250	26	11000	93K	3.50			
8448	+	TRI	DWD T6	GEN	SRC	RC	7.2	1000	50	15	0.4	24	10	8000	12	1.70		
8456	+	TET	T6	VHF	AM	F	13.5	380	300	50	7.0	300	72	3300	6.20	9CF		
8457	S	TET	T6	VHF	AM	F	13.5	380	450	55	10.0	450	110	10.20	93K	9CF		
8458		TET	T6	RFA	AM	F	1.1	1050	300	40	5.0	200	40	4500	260K	98F		
8463		PND	SIN T6	REG	GAS	VI	C	1.1	1050	300	40	5.0	200	40	4500	14.00	1.70	
8469		DIO	SIN T3	REG	GAS	VI	C	6.3	450	330	2.8	150	15	4500	21	4700		
8489	+	PND	TRI T6	VHF	SCO	#TS	H	6.3	450	330	2.3	125	12	7000	170K	2.40		
8514		DIO	SIN T5	REG	GAS	VI	C	1K	800U	300U	400U	400U	400U	6	4.20	3.40		
8515		DIO	SIN T5	REG	GAS	VI	C	2K	950U	950U	100	100	6	4.30	3.50			
8517	+	PND	SIN T3	OSC	SCO	#TS	H	6.3	150	165	0.8	100	4	1400	320K	4.00		
8522	+	PND	SIN T3	UHF	SCO	#TS	H	6.3	150	165	0.7	100	4	1400	320K	1.90		
8524	+	PND	SIN T3	VA	SCO	TO	H	6.3	150	165	11	0.6	100	5	3200	110K	4.00	
8525	+	TRI	T6	UHF	SRC	TO	H	6.3	300	165	22	0.7	100	6	5400	35	6500	
8526		TRI	T6	VA	SRC	TO	H	6.3	300	165	22	1.0	100	8	5000	20	4000	
8527	S+	TRI	SIN T3	RFA	SRC	TO	H	6.3	150	165	22	3.3	150	13	6500	27	4150	
8528	+	BEA	SIN T3	AFA	RCO	TO	H	6.3	450	165	50	3.7	110	30	4200	15K	6.50	
8529	+	PND	SIN T3	VHF	SRC	TO	H	6.3	150	165	16	0.8	100	7	4500	260K	4.20	
8530	+	PND	SIN T3	RFA	SCO	TO	H	6.3	150	165	16	1.1	100	8	5000	260K	4.20	
8532	S+	TRI	SIN T5	UHF	SCO	RC	H	6.3	400	150	20	2.5	14	11000	4800	7.50		
8612	DIO	SIN T6	REG	GAS	VI	C	6K	900U	250U	250U	250U	250U	250U	2	3100	127	1.70	
8615	S	DIO	SIN T5	REG	GAS	VI	C	1K	750U	250U	250U	250U	250U	250U	2	3100	127	1.70
8627	+	TRI	SIN MT4	GEN	SCO	RC	H	6.3	150	300	14	2.7	180	21	13000	70	5400	
8628	+	TRI	SIN MT4	VA	SCO	RC	H	6.3	100	250	0.3	150	2	3100	127	3.40		

NUMERICAL LISTING - CONTINUED

TUBE TYPE NUMBER	CONE	KIND	TYPF	RULB	USF	CHAR	TUBE REG	K	MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			CAPACITANCE					
									V	FILAMENT TYPE	MA	V	MA	W	V	MA	GM	MU	RP	PICOFARADS IN
9001		PND	SIN	T5	DET	SCO	H	6.3	150	250	0.5	250	2	1400	1M	3.60	3.00	7BD		
9002		TRI	SIN	T5	VHF	RCD	H	6.3	150	250	1.6	250	6	2200	25	11K	1.20	1.10	7BS	
9003	S	PND	SIN	T5	RFA	RCD	H	6.3	150	250	1.7	250	7	1800	700K	3.40	3.00	7BD		
9005		DIN	SIN	ACO	UHF	VAC	H	3.6	165	117	1								5BG	
9006		DIO	SIN	T5	UHF	VAC	GE	6.3	150	750	15	270	5						6RH	

5. Characteristic Listing of Data on Receiving Tubes

CHARACTERISTIC LISTING

TUBE TYPE NUMBER	CODE	KIND	TYPE	RULS	USE	TUBE CHAR	REG TYPE	K	TYPICAL FILAMENT TYPE	MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			EIA BASE NO.	
										V	MA	W	V	MA	W		
REGULATOR SINGLE DIODE COLD CATHODE																	
5787WA	*	D10	SIN	T3		REG	GAS	R	C	105	25	100	15	FL	4AJ		
QA3A	S	D10	SIN	T9		REG	GAS	RA	C	105	40	75	22		580		
QC2		D10	SIN	T5		REG	GAS	RC	C	115	30	75	18				
7980		D10	SIN	T5		REG	GAS	MU	C	130	10	84	6				
5644	*	D10	SIN	T3		REG	GAS	SY	C	130	25	95	15		4CN		
QB3A		D10	SIN	T9		REG	GAS	RA	C	130	30	90	18				
QB2WA	S*	D10	SIN	T5		REG	GAS	RA	C	133	30	108	18		4AJ		
6074	S+	D10	SIN	T5		REG	GAS	RC	C	133	30	108	18		580		
OC3A	S	D10	SIN	T9		REG	GAS	RA	C	133	40	105	22		4AJ		
CK106J	+	D10	SIN	T3		REG	GAS	RA	C	155	25	98	15		FL		
6626	S+	D10	SIN	T5		REG	GAS	*HY	C	165	30	150	18		580		
6542	+	D10	SIN	T3		REG	GAS	RA	C	168	25	150	15		FL		
6627	S+	D10	SIN	T5		REG	GAS	*HY	C	170	30	108	18		580		
QA2WA	S*	D10	SIN	T5		REG	GAS	RC	C	185	30	151	18		580		
6073	S+	D10	SIN	T5		REG	GAS	RC	C	185	30	151	18		580		
OD3A	S	D10	SIN	T9		REG	GAS	RA	C	185	40	150	18		4AJ		
8469		D10	SIN	T3		REG	GAS	V1	C	400	4000U	150U	22		FL		
5952		D10	SIN	T5		REG	GAS	V1	C	700	750U	25U			580		
5930	S	D10	SIN	T3		REG	GAS	V1	C	700	150U	50U			FL		
5841		D10	SIN	T3		REG	GAS	V1	C	900	150U	50U			FL		
6143	S	D10	SIN	T3		REG	GAS	V1	C	1K	150U	60U			FL		
8615	S	D10	SIN	T5		REG	GAS	V1	C	1K	750U	250U			FL		
8257		D10	SIN	T4		REG	GAS	V1	C	1K	750U	300U			FL		
8514		D10	SIN	T5		REG	GAS	V1	C	1K	800U	300U			FL		
6437	S	D10	SIN	T3		REG	GAS	RA	C	2K	125U	700			FL		
6438	S	D10	SIN	T3		REG	GAS	RA	C	2K	125U	1K			FL		
6119		D10	SIN	T3		REG	GAS	V1	C	1K	150U	60U			FL		
7162		D10	SIN	T5		REG	GAS	V1	C	2K	2	250U			FL		
7859	S	D10	SIN	T4		REG	GAS	V1	C	2K	1	400U			FL		
7160		D10	SIN	T5		REG	GAS	V1	C	2K	1	250U			FL		
7161		D10	SIN	T4		REG	GAS	V1	C	4K	2						
8515		D10	SIN	T5		REG	GAS	V1	C	2K	950U	400U					
7286	S	D10	SIN	T5		REG	GAS	V1	C	3K	2	400U					
7894		D10	SIN	T4		REG	GAS	V1	C	2K	2	400U			FL		
7160	S	D10	SIN	T5		REG	GAS	V1	C	4K	900U	250U					
7161		D10	SIN	T5		REG	GAS	V1	C	4K	2	400U					
8091		D10	SIN	T6		REG	GAS	V1	C	4K	1	300U					
8256		D10	SIN	T4		REG	GAS	V1	C	4K	2	350U					
8090		D10	SIN	T6		REG	GAS	V1	C	4K	2	500U					
8612		D10	SIN	T6		REG	GAS	V1	C	6K	900U	250U					
8069		D10	SIN	T4		REG	GAS	V1	C	8K	2	500U					

CHARACTERISTIC LISTING - CONTINUED

TUBE TYPE NUMBER	CONE	KIND	TYPE	RULB	USE	TUBE CHAR	REG	K	TYPICAL FILAMENT V	MAXIMUM PLATE CHARACTERISTICS	TYPICAL CHARACTERISTICS			CAPACITANCE PICOFARADS IN OUT	EIA BASE NO.
											ER V	IR MA	GM UMHO	RP OMHS	
REGULATOR SINGLE DIODE COLD CATHODE -CONTINUED-															
8206	D10	SIN	T4	REG	GAS	V1	C		12K	2				500U	
 REFERENCE SINGLE DIODE COLD CATHODE															
5783WA	*	D10	SIN	T3	REF	GAS	RA	C		91	4			86	2
5651WA	*	D10	SIN	T5	REF	GAS	RC	C		115	4			85	2
8229	+	D10	SIN	T2	REF	GAS	AM	C		115	4			82	4
6213A	+	D10	SIN	T3	REF	GAS	RA	C		200	2			130	2
 RECTIFIER SINGLE DIODE COLD CATHODE															
6436	S	D10	SIN	T3	REC	GAS	RA	C		2K	10			1K	100U
6659	S	D10	SIN	T3	REC	GAS	RA	C		3K	40			1K	6
CK1047	S	D10	SIN	T5	REC	GAS	RA	C		3K	100			1K	12
6763	+	D10	SIN	T5	REC	GAS	RA	C		3K	100			1K	12
7996	+	D10	SIN	CM	REC	GAS	RA	C		3K	300			1K	12
 RECTIFIER SINGLE DIODE FILAMENTARY															
5765	D10	SIN	T3X2	REC	VAC	RA	F	1.2		4K	520U			2K	80U
1AU2	S	D10	SIN	T6	REC	VAC	RA	F	1.1	190	8K	1.1			9U
1V2		D10	SIN	T6	REC	VAC	RC	F	0.6	300	8K	1.0			0.8U
2AV2		D10	SIN	T6	REC	VAC	RC	F	1.8	300	8K	1.1			9U
5642		D10	SIN	T3	REC	VAC	SY	F	1.2	200	10K	5			0.19
															0.60
4B32	S*	D10	SIN	T18	REC	GAS	CH	F	5.0	7250	10K	500		3K	1250
18C2	S	D10	SIN	T6	REC	VAC	GE	F	1.2	200	15K	45		80	7
1B42		D10	SIN	T6	REC	VAC	GE	F	1.2	200	15K	45		80	7
1BL2		D10	SIN	T6	REC	VAC	GE	F	1.2	200	18K	45		130	7
1Z2	S	D10	SIN	T6	REC	VAC	ZHY	F	1.2	200	20K	14K		175U	1.00

CHARACTERISTIC LISTING - CONTINUED

TUBE TYPE NUMBER	CONE	KID	TYPE	AULH	USF	TURE CHAR	REG	K TYPICAL FILAMENT TYPE	MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			CAPACITANCE			
									V	MA	W	EB	IR	GM	RP	OHMS	IN	OUT
RECTIFIER SINGLE DIODE FILAMENTARY -CONTINUED-																		
3B24WB	*	D10	SIN	T12		REC	VAC	WE	5.0	3000	20K	300	200	140		3K		
1X2B	S	D10	SIN	T6		REC	VAC	SY	1.2	200	22K	45	18K	100U		1.00	9Y	
2AZ2		D10	SIN	T6		REC	VAC	SY	2.1	275	22K	45	70	1.10	9Y			
1B2		D10	SIN	T6		PEC	VAC	NN	1.4	550	24K	50	100	1.20	9Y			
1K3	S	D10	SIN	T9		REC	VAC	GE	1.2	200	26K	50	50	1.60	3C			
1AJ2		D10	SIN	T9		REC	VAC	*TS	F	1.2	200	26K	50	140	7	1.80	12EL	
1AY2	S	D10	SIN	T9		REC	VAC	*TS	F	1.2	200	26K	50	75	7	1.40		
1J3A	S	D10	SIN	T9		REC	VAC	GE	F	1.2	200	28K	50	225	7	3C		
1B3GT	S	D10	SIN	T9		REC	VAC	RC	F	1.2	200	30K	50	17	3C			
1AU2		D10	SIN	T12		REC	VAC	SY	F	1.2	200	30K	50	35	2	7C		
														225	7			
1G3GT	S	D10	SIN	T9		REC	VAC	RC	F	1.2	200	33K	30	25	1	3C		
RECTIFIER SINGLE DIODE HEATER TYPE																		
9005		D10	SIN	ACO		UHF	VAC	RE	H	3.6	165	117	1			5RG		
16A03		D10	SIN	T6		REC	VAC	HIP	H	16.4	600	250	5.0		2.00	9CB		
2B22		D10	SIN	L1T		REC	GE	HIP	H	6.3	750	300						
25DK4		D10	SIN	T5		REC	VAC	GE	H	25.0	150	330	100	100	5	5B0		
50DC4		D10	SIN	T5		REC	VAC	GE	H	50.0	150	330	720	117	90	5B0		
7841		D10	SIN	CM		DET	VAC	GE	H	6.3	215	350	5		1.10	1.20		
5B29WA		D10	SIN	T3x2		REC	VAC	SY	H	6.3	150	360	28	117	5			
35AF3	S	D10	SIN	T5		REC	VAC	RC	H	35.0	150	360	660	117	10C	FL		
35Z5GT	S	D10	SIN	T5		REC	VAC	*NU	H	36.0	100	365	580	120	75	5B0		
36AM3R		D10	SIN	T5		UHF	VAC	GE	H	6.3	150	750	15	270	5	6AD		
5647		D10	SIN	T2		DET	VAC	SY	H	6.3	150	460	60	150	9	6BH		
6AL3		D10	SIN	T6		DET	VAC	RE	H	6.3	1550	550	5.0	250	220			
30AF3		D10	SIN	T6		REC	VAC	RE	H	30.0	300	550	5.0	250	220	9CB		
35Z5GT		D10	SIN	T9		REC	VAC	*NU	H	35.0	150	700	600	235	10C	6AD		
9006		D10	SIN	T5		UHF	VAC	GE	H	6.3	150	750	15	270	5	6BH		
5641	S*	D10	SIN	T3		REC	HIP	SY	H	6.3	450	930	300	300	235	45	6CJ	
7313	+	D10	SIN	CM		REC	VAC	*BE	H	6.3	1550	3K	1000		8.60	9CB		
12BY3		D10	SIN	T6		REC	VAC	TO	H	12.6	450	4K	140	4.0	2.70	5B0		
6CM3		D10	SIN	T9		REC	VAC	RC	H	6.3	2400	6K	400	12.0	10	6AD		
25CM3		D10	SIN	T9		REC	VAC	RC	H	25.0	600	6K	400	12.0	10	6BH		
34CM3		D10	SIN	T9		REC	VAC	RC	H	33.5	450	6K	400	12.0	10	6CJ		

CHARACTERISTIC LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USE	TUBE CHAR	REG	K	TYPICAL FILAMENT TYPE			MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			CAPACITANCE			
									V	MA	W	V	MA	W	E _B	I _B	G _M	R _P	PICOFARADS IN	PICOFARADS OUT	
RECTIFIER																					
SINGLE DIODE HEATER TYPE -CONTINUED-																					
6CE3	D10	SIN	T9	REC	VAC	SY	H	6.3	2500	6K	350	11.0	20	680			13.00	126K			
2BA2	D10	SIN	T6	REC	VAC	SY	H	1.8	300	7K	50	55	7				0.80	9U			
3A2	D10	SIN	T6	REC	VAC	RC	H	3.2	220	18K	80	25	2				1.00	9DT			
2BZ2	D10	SIN	T6	REC	VAC	RC	H	2.3	300	20K	80	80	7				1.00	9RT			
1S2A	D10	SIN	T6	REC	VAC	RE	H	1.4	550	22K	40						1.80	9DT			
1AD2	D10	SIN	T9	REC	VAC	GE	H	1.2	200	22K	50	225	7				1.60	12DQ			
1H2	D10	SIN	T6	REC	VAC	GE	H	1.4	550	24K	50	10	500U				1.00	9LX			
2AH2	D10	SIN	T9	REC	VAC	GE	H	2.5	300	24K	80	100	7				1.40	12DG			
2AS2	D10	SIN	T9	REC	VAC	GE	H	2.5	330	24K	80	100	7				1.40	12EW			
3BN2	S	D10	SIN	T9	REC	VAC	GE	3.2	300	27K	88	150	7				1.50	12FV			
3AJ	S	D10	SIN	T9	REC	VAC	RC	H	3.2	220	30K	80	35	2			1.50	8EZ			
3A3A	S	D10	SIN	T9	REC	VAC	RC	H	3.2	220	30K	100	2				1.50	8EZ			
3AT2	S	D10	SIN	T9	REC	VAC	RA	H	3.2	220	30K	88	2				1.50	8EZ			
3AW3	S	D10	SIN	T9	REC	VAC	RA	H	3.2	220	30K	88	2				1.50	8EZ			
3AW2	S	D10	SIN	T9	REC	VAC	GE	H	3.2	350	30K	110	60	7			1.60	12HA			
3CN3	D10	SIN	T9	REC	VAC	GE	H	3.2	480	30K	110	60	7				1.60	8MN			
3CA3	D10	SIN	T9	REC	VAC	RC	H	3.6	225	30K	100	100	11				1.60	8EZ			
3BZ2	S	D10	SIN	T12	REC	VAC	RC	H	3.2	220	35K	80	30	1			1.80	8GH			
3BF2	D10	SIN	T9	REC	VAC	SY	H	3.6	225	35K	115		2				1.26Q				
DAMPER																					
SINGLE DIODE																					
17H3	D10	SIN	T6	DA	VAC	GE	H	17.5	300	2K	450	3.0	1.3	75			4.00	9FK			
6BZ3	D10	SIN	T9	DA	VAC	GE	H	6.3	1200	3K	840	4.0	2.1	250			5.50	12RL			
12BT3	D10	SIN	T9	DA	VAC	GE	H	12.6	450	3K	1000	5.3	2.1	250			7.00	12RL			
6AX4GT	S+	D10	SIN	T9	DA	VAC	TS	H	6.3	1200	4K	750	4.8	2.1	125			5.00	4CG		
25AX4GT	S	D10	SIN	T9	DA	VAC	RA	H	25.0	300	4K	750	4.8	2.1	125			5.00	4CG		
25W4GT	S	D10	SIN	T9	DA	VAC	GE	H	25.0	300	4K	750	3.5	1.3	125			6.00	4CG		
6W4GTA	S+	D10	SIN	T9	DA	VAC	GE	H	6.3	1200	4K	840	4.0	1.3	140			6.00	4CG		
6AU4GTA	S	D10	SIN	T9	DA	HIP	TS	H	6.3	1800	4K	1000	6.0	1.5	175			8.50	4CG		
19AU4GTA	D10	SIN	T9	DA	HIP	TS	H	16.9	600	4K	1050	6.0	1.5	175			8.50	4CG			
6AF3	D10	SIN	T6	DA	VAC	TS	H	6.3	1200	4K	750	6.0	2.0	185			6.00	9CB			
12AF3	D10	SIN	T6	DA	VAC	TS	H	12.6	600	4K	750	6.0	2.0	185			6.00	9CB			
17AX4GTA	D10	SIN	T9	DA	VAC	SY	H	16.8	450	4K	600		32	250			6.00	4CG			
17BZ3	D10	SIN	T9	DA	VAC	GE	H	16.8	450	4K	1200	6.5	21	350			8.50	12FX			
6BE3A	S	D10	SIN	T9	DA	RA	H	6.3	1200	5K	200	6.5					8.00	12FX			
12BE3A	D10	SIN	T9	DA	RA	H	12.6	600	5K	200	6.5					8.00	12FX				

CHARACTERISTIC LISTING - CONTINUED

CHARACTERISTIC LISTING - CONTINUED

TUBE TYPE NUMBER	CONE	KIND	TYPE	USE	CHAR	K FEG	TUBE TYPE	K FILAMENT	MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			CAPACITANCE PICOFARADS IN OUT	EIA BASF NO.
									V	MA	W	V	MA	W		
DAMPER SINGLE DIODE																
CONTINUED																
12DM4A	S	D10	SIN	T9	DA	VAC	WH	H	12.6	600	5K	1200	6.5	200	8.50	4CG
17BE3A	S	D10	SIN	T9	DA	VAC	WH	H	16.8	450	5K	200	6.5	200	6.00	12FX
17DM4A	S	D10	SIN	T9	DA	VAC	RC	H	16.8	450	5K	1200	6.5	200	8.50	4CG
6BS3A	S	D10	SIN	T9	DA	VAC	RC	H	6.3	1200	5K	1100	6.0	12	14.0	9HP
12BS3A	S	D10	SIN	T9	DA	VAC	RC	H	12.6	600	5K	1100	6.0	12	14.0	9HP
17BS3A	S	D10	SIN	T9	DA	VAC	RC	H	16.8	450	5K	1100	6.0	12	14.0	9HP
6AX3	S	D10	SIN	T9	DA	VAC	GE	H	6.3	1200	5K	1000	5.3	165	7.50	12BL
12AX3	S	D10	SIN	T9	DA	VAC	GE	H	12.6	600	5K	1000	5.3	165	7.50	12RL
12AX4GTA	S	D10	SIN	T9	DA	VAC	GE	H	12.6	600	5K	1000	4.8	21	5.00	4CG
17AX3	S	D10	SIN	T9	DA	VAC	GE	H	16.8	150	5K	1000	5.3	165	7.50	12BL
6AY3R	S	D10	SIN	T9	DA	VAC	RC	H	6.3	1200	5K	1100	6.5	900	6.50	9HP
6DE4	S	D10	SIN	T9	DA	VAC	RC	H	6.3	1600	5K	1100	6.5	175	6.50	4CG
12AY3A	S	D10	SIN	T9	DA	VAC	RC	H	12.6	600	5K	1100	6.5	900	9.00	9HP
17AY3A	S	D10	SIN	T9	DA	VAC	RC	H	16.8	450	5K	1100	6.5	900	9.00	9HP
17DE4	S	D10	SIN	T9	DA	VAC	RC	H	17.0	600	5K	1100	6.5	175	9.00	4CG
22BW3	S	D10	SIN	T9	DA	VAC	GE	H	22.4	450	5K	1100	6.5	175	12FX	
22DF4	S	D10	SIN	T9	DA	VAC	SY	H	6.3	1200	5K	1100	6.5	175	6.50	4CG
6DA4A	S	D10	SIN	T9	DA	VAC	SY	H	6.3	1200	5K	900	8.0	30	9.00	7.00
12DA4A	S	D10	SIN	T9	DA	VAC	#TS	H	12.6	600	5K	900	8.0	185	9.00	7.00
17DA4A	S	D10	SIN	T9	DA	VAC	#TS	H	16.8	450	5K	9005	8.0	165	9.00	4CG
6BA3	S	D10	SIN	T9	DA	VAC	RC	H	22.4	450	5K	1100	6.5	175	4.40	9HP
6CK3	S	D10	SIN	T9	DA	VAC	RC	H	6.3	1200	5K	1100	6.5	175	6.50	9HP
6CL3	S	D10	SIN	T9	DA	VAC	RC	H	6.3	1200	5K	1300	8.5	350	6.50	9HP
12CK3	S	D10	SIN	T9	DA	VAC	RC	H	12.6	600	5K	1200	6.5	350	6.50	9HP
12CL3	S	D10	SIN	T9	DA	VAC	RC	H	12.6	600	5K	1300	8.5	350	6.50	9HP
17CK3	S	D10	SIN	T9	DA	VAC	RC	H	6.3	1200	5K	1000	5.3	32	4.40	9HP
17CL3	S	D10	SIN	T9	DA	VAC	RC	H	6.3	1200	5K	1200	6.5	350	6.50	9HP
6CG3	S	D10	SIN	T9	DA	VAC	SY	H	6.3	1200	5K	1300	8.5	350	6.50	9HP
25CG3	S	D10	SIN	T9	DA	VAC	SY	H	25.0	0	5K	2100	6.5	25	13.00	12HF
6BH3A	S	D10	SIN	T9	DA	VAC	RC	H	6.3	1600	5K	1300	8.5	350	13.00	12HF
6C04	S	D10	SIN	T9	DA	VAC	WH	H	16.8	450	5K	1200	6.5	165	6.50	9HP
6DT4	S	D10	SIN	T9	DA	VAC	RA	H	6.3	1200	6K	1450	7.5	10.00	6.50	4CG
17RH3A	S	D10	SIN	T9	DA	VAC	RC	H	17.0	600	6K	1100	6.5	165	6.50	9HP
17CO4	S	D10	SIN	T9	DA	VAC	WH	H	17.0	600	6K	1200	6.5	165	8.50	11.50
22BH3	S	D10	SIN	T9	DA	VAC	RC	H	22.4	450	6K	1100	6.5	165	6.50	9HP
22BH3A	S	D10	SIN	T9	DA	VAC	RC	H	6.3	1600	6K	1200	6.5	165	8.50	11.50
34CD3	S	D10	SIN	T9	DA	VAC	#TS	H	22.4	450	6K	1100	6.5	350	7.50	10.00
6CD3	S	D10	SIN	T9	DA	VAC	#TS	H	34.5	450	6K	350	12.0	350	13.00	12HF
6V34	S	D10	SIN	T6	DA	VAC	#PL	H	6.3	1750	6K	1500	12.0	350	13.00	12FX
6D04	S	D10	SIN	T9	DA	VAC	RA	H	6.3	1200	6K	800	2.7	13	16.00	14.00

CHARACTERISTIC LISTING - CONTINUED

TUBE TYPE NUMBER	CONE	KIND	TYPE	BULB	USF	TURE CHAR	REG TYPE	K V	TYPICAL FILAMENT V	MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			EIA BASE NO.		
										V	MA	W	V	MA	RP OMH	GM OMH		
DAMPÉR SINGLE DIODE *CONTINUED*																		
12D04	S	DIO	SIN	T9	DA	VAC	RA	H	12.6	600	6K	1000	6.0	175	5.00	4CG		
17D04	S	DIO	SIN	T9	DA	VAC	RA	H	16.8	450	6K	1000	6.0	175	5.00	4CG		
6BR3		DIO	SIN	T6	DA	VAC	TO	H	6.3	1200	6K	1200	6.5	19	8.50	9CB		
12BR3		DIO	SIN	T6	DA	VAC	TO	H	12.6	600	6K	1200	6.5	19	8.50	9CB		
17BR3		DIO	SIN	T6	DA	VAC	TO	H	16.8	450	6K	1200	6.5	19	8.50	9CB		
25BR3		DIO	SIN	T6	DA	VAC	TO	H	25.0	300	6K	1200	6.5	19	8.50	9CB		
6DW4R	S	DIO	SIN	T9	DA	VAC	RC	H	6.3	1200	6K	1300	8.5	25	350	9HP		
12DW4A	S	DIO	SIN	T9	DA	VAC	TO	H	12.6	600	6K	1300	8.5	25	350	9HP		
17DW4A	S	DIO	SIN	T9	DA	VAC	TO	H	16.8	450	6K	1300	8.5	25	350	9HP		
6CH3	S	DIO	SIN	T9	DA	VAC	SY	H	6.3	2500	6K	1500	11.0	20	680	13.00		
34CE3	DIO	SIN	T9	DA	VAC	SY	H	34.5	450	6K	350	11.0	20	680	13.00			
6CJ3	DIO	SIN	T9	DA	VAC	GE	H	6.3	1800	6K	350	6.5	25	700	13.00			
0Z4G	S	DIO	TWN	T7	RÉC	GAS	RA	C			1K	200		300	75	4R		
DIODE TWIN COLD CATHODE																		
5DN4	S	DIO	TWN	T16	REC	VAC	#TS	F	5.0	2000	950	165		900	165	5T		
5Y4NGB	S*	DIO	TWN	T9	REC	VAC	RC	F	5.0	2000	1K	400		400	125	5T		
5Y3AGTA	S*	DIO	TWN	T12	REC	VAC	SY	F	5.0	2000	1K	400		350	125	5A		
5Y4GT	S	DIO	TWN	T12	REC	VAC	GE	F	5.0	3750	1K	1075		400	325	5T		
5AU4	S	DIO	TWN	T12	REC	VAC	GE	F	3.3	3800	1K	1200		275	350	5DE		
3DG4		DIO	TWN	T12	REC	VAC												
5DN4	S	DIO	TWN	T12	REC	VAC	RA	F	5.0	3300	1K	1300		425	350	8KS		
5B8C3A	S+	DIO	TWN	T12	REC	VAC	RC	F	5.0	3000	2K	1000		450	9NT	5T		
5U4GR	S	DIO	TWN	T11	REC	VAC	SY	F	5.0	3000	2K	2500		450	225	5T		
5AS4A	S	DIO	TWN	ST16	REC	VAC	GE	F	5.0	3000	2K	2500		450	250	5T		
						VAC	RC	F	5.0	3000	2K	1000		450	275			

DIODE TWIN
FILAMENTARY

CHARACTERISTIC LISTING - CONTINUED

TUBE NUMBER	CONE	KIND	TYPE	AUL.B	USF	CHAR	REF	K	TUBE TYPE	MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			CAPACITANCE		
										V	MA	V	MA	V	MA	PICOFARADS IN	PICOFARADS OUT	
DIODE TWIN FILAMENTARY -CONTINUED-																		
SDJ4	S	DI0	TWN	T12	REC	VAC	SY	F	H	2.1	450	5	3.70	7FL	8KS	5T		
5V3A	S	DI0	TWN	T12	REC	VAC	#TS	F	H	6.3	275	10	2.50	6BT	6BT	6BT		
DIODE TWIN HEATER TYPE																		
2EV5		DIC	TRN	T5	DET	VAC	#PL	H	H	6.3	300	300	3	2.50	6BT	6BT		
6663	S	DI0	TWN	T5	DET	HIP	GE	H	H	6.3	200	300	2	2.50	6BT	6BT		
6919		DIC	TRN	T5	DET	HIP	GE	H	H	3.2	600	330	117	9	2.50	6BT	6BT	
3AL5		DI0	TWN	T5	DET	HIP	RC	H	H	6.3	300	330	54	117	9	2.50	6BT	
6AL5W	S	DI0	TWN	T5	DET	HIP	RC	H	H	6.3	300	330	54	117	9	2.50	6BT	
12AL5	S	DI0	TWN	15	DET	HIP	#HY	H	H	12.6	150	330	54	117	9	2.50	6BT	
7n25	S	DI0	TWN	T5	DET	HIP	RC	H	H	13.5	155	350	60	117	9	2.50	6BT	
7b31	S+	DI0	TWN	T5	VAC	ST	H	H	H	6.3	300	360	10	10	5BT	5BT		
5726	S*	DI0	TWN	T5	REC	VAC	RA	H	H	6.3	300	360	60	117	9	3.20	6BT	
6b57	S	DI0	TWN	T5	ONA	HIP	RC	H	H	6.3	200	360	30	10	2.20	6BT		
6H6GT		DI0	TWN	T9	REC	VAC	#HY	H	H	6.3	300	420	48	117	8	70		
12H6		DI0	TWN	T9	REC	VAC	RC	H	H	12.6	150	420	48	117	8	70		
6110		DI0	TWN	T3	DET	VAC	SY	H	H	6.3	150	460	26	15	4	8DJ		
5B96	S	DI0	TRN	T3	DET	VAC	SY	H	H	6.3	300	460	60	150	9	5BS		
5903	S	DI0	TWN	T3	DET	HIP	SY	H	H	26.5	75	460	60	165	9	5BS		
25Z6GT	S	DI0	TWN	T9	REC	VAC	#HY	H	H	25.0	300	700	450	117	75	70		
5A59	S	DI0	TRN	T9	REC	VAC	#RE	H	H	26.5	255	1K	230	400	50	6S		
6212	S+	DI0	TWN	T5	REC	VAC	GE	H	H	6.3	600	1K	200	325	50	58S		
6X4WA	S	DI0	TWN	T5	REC	VAC	#TS	H	H	6.3	600	1K	230	325	70	9CD		
6X5GT	S+	DI0	TWN	T9	REC	VAC	#HY	H	H	6.3	600	1K	210	325	70	9DJ		
12X4		DI0	TWN	T5	REC	VAC	#TS	H	H	12.6	300	400	1K	230	325	70		
5943	S*	DI0	TWN	T6	REC	VAC	#BE	H	H	6.3	800	1K	230	325	70	9AZ		
6203	S*	DI0	TRN	T6	REC	VAC	GE	H	H	6.3	900	1K	270	325	70	9CD		
6RW4	S	DI0	TWN	T6	REC	VAC	SY	H	H	6.3	900	1K	350	325	100	9DJ		
12HW4		DI0	TWN	T6	REC	VAC	SY	H	H	12.6	450	1K	350	325	100			
5660	S+	DI0	TWN	T1?	REC	VAC	RC	H	H	12.6	1200	1K	375	700	110	6S		
6AX5GT	S	DI0	TWN	T9	REC	VAC	RC	H	H	6.3	1200	1K	375	350	125	5S		
6n87	S+	DI0	TWN	T9	REC	VAC	GE	H	H	5.0	2000	1K	375	350	125	5L		
6CA4	S	DI0	TWN	T6	REC	VAC	RE	H	H	6.3	1000	1K	500	350	150	9M		
5V4G	S	DI0	TWN	STL4	REC	VAC	SY	H	H	5.0	2000	1K	525	375	175	5L		

CHARACTERISTIC LISTING - CONTINUED

TUBE TYPE NUMBER	CONE	KIND	TYPF	HULH	USF	TUBE CHAR	REG TYPE	K	TYPICAL FILAMENT CHARACTERISTICS		MAXIMUM PLATE CHARACTERISTICS		TYPICAL CHARACTERISTICS		CAPACITANCE PICOFARADS IN OUT	EIA BASE NO.	
									V	MA	V	MA	V	MA	E _R	I _R	G _M
DIODE TWIN HEATER TYPE -CONTINUED-																	
SAR4 6BY5A	DIO	TWN	T9	REC	VAC	GE	H	5.0	1900	2K	825						5DA 6CN
DIODE MULTIPLE																	
6AJ7	S	TRD	T6	DET	VAC	GE	H	6.3	450	330	10					3.00	9AX
6BC7	S	TRD	T6	DET	HIP	#PL	H	6.3	450	330	54					3.50	9AX
6G07	S	TRD	T6	DET	VAC	RA	H	6.3	450	330	54					9AX	9AX
19GU7	S	TRD	T6	DET	VAC	RA	H	18.9	150	330	54					9AX	9AX
6JU18A	S	DIO	QUA	T6	DET	RC	H	6.3	600	300	54					9PQ	9PQ
6JU2A	S	DIO	QUA	T6	GEN	GE	H	8.4	450	300	54					9PQ	9PQ
6BF8	S	DIO	SXT	T6	DET	VAC	GE	6.3	450	165	11					4.40	9NX
DIODE WITH TRIODE																	
6AG6	S	DWD	TRI	TS	DET	VAC	RC	H	6.3	150		1				7BT	7BT
6FMB	S	DWD	TRI	T6	DET	VAC	GE	H	6.3	450		5				9KR	9KR
26C6	S	DWD	TRI	TS	DET	VAC	RC	H	26.5	70						7BT	7BT
8417	S	+ DWD	TRI	T6	DET	HIP	#TS	H	13.5	190	300	60				9CF	9CF
3AV6	S	DWD	TRI	TS	DET	VAC	SY	H	3.2	600						2.00	7BT
4AV6	S	DWD	TRI	TS	DET	VAC	RC	H	4.2	450						7BT	7BT
6AT6	S	DWD	TRI	TS	DET	VAC	RC	H	6.3	300						7BT	7BT
6AV6	S	DWD	TRI	TS	DET	VAC	#NU	H	6.3	300						7BT	7BT
6RF6	S	DWD	TRI	TS	DET	VAC	RC	H	6.3	300						7BT	7BT
6S07GT	S	DWD	TRI	T9	DET	VAC	#HY	H	6.3	300						80	80
12AE6A	S	DWD	TRI	TS	DET	VAC	#TS	H	12.6	150						7BT	7BT
12AT6A	S	DWD	TRI	TS	DET	VAC	SY	H	12.6	150						7BT	7BT
12AV6A	S	DWD	TRI	TS	DET	VAC	SY	H	12.6	150						7BT	7BT
12RF6	S	DWD	TRI	TS	DET	VAC	#TS	H	12.6	150						7BT	7BT
12S07GT	S	DWD	TRI	T9	DET	VAC	#HY	H	12.6	150						80	80

CHARACTERISTIC LISTING - CONTINUED

CHARACTERISTIC LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	AULB	USF	TUHE CHAR	REG	K	TYPICAL FILAMENT V	MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			CAPACITANCE PICOFARADS IN	EIA BASE NO.
										V	MA	W	E _B	IR MA	MU		
DIONE WITH TRIODE CONTINUATION																	
16FY6A	DW	TRI	T5	DET	VAC	SY	H	16.0	100	10	2	7BT					
6A07CT	DW	TRI	19	DET	VAC	GE	H	6.3	300	10	4	8CK					
6CN7	S	TRI	T6	DET	VAC	GE	H	6.3	300		5	9EN					
8CN7	DWD	TRI	6	DET	VAC	GE	H	8.4	225		5	9EN					
14GT8	S	TRI	6	DET	VAC	SY	H	14.0	150		5	9KR					
6AJ8	DWD	TRI	T6	REC	VAC	SY	H	6.3	600	54	3	9ER					
6BN8	DWD	TRI	T6	DET	VAC	SY	H	6.3	600	54	3	1.90	9ER				
6BN8	-	DWD	TRI	T6	DET	VAC	SY	H	8.4	450	54	3	1.90	9ER			
12RH7A	S	DWD	TRI	T6	DET	HIP	H	12.6	225	60	5	1.80	9CF				
7724	S	DWD	TRI	T6	DET	VAC	GE	H	14.0	150		18	2.40	9KR			
14JG8	S	DWD	TRI	T6	DET	VAC	GE	H	14.0	150		5	20	9KR			
6AY11	DW	TTK	T9	DET	VAC	GE	H	6.3	690		5	12DA					
6B10	DWD	TTK	T9	DET	VAC	GE	H	6.3	600		5	12RF					
6R10	DWD	TTK	T9	DET	VAC	GE	H	8.5	450		5	12BF					
6AG11	DWD	TTK	T9	HF	VAC	GE	H	6.3	750		18	2.20	12DA				
50AG11	DWD	TTK	T9	HF	VAC	GE	H	30.0	150		18	2.20	12DA				
DIONE WITH TETRODE																	
6FA7	DIO	TET	T6	HF	VAC	RC	H	6.3	300		10	1	9MR				
6KM8	DIO	TET	T6	DET	VAC	RC	H	6.3	300		1	1	90G				
12T8A	DWD	TET	T6	DET	VAC	SY	H	12.6	325		5	5	9GC				
D100E TRIPLEX WITH TRIODE																	
5T8	TRD	TRI	T6	DET	HIP	GE	H	4.7	600			5	9E				
6T8A	S	TRD	TRI	T6	DET	HIP	GE	H	6.3	450		5	9E				
19T8A	S	TRD	TRI	T6	DET	HIP	SY	H	18.9			5	9E				

CHARACTERISTIC LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USF	TUBE CHAR	REG	K	TYPICAL FILAMENT TYPE	MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			CAPACITANCE PICOFARADS IN	EIA BASE NO.		
										V	MA	W	ER	IP MA	MU	RP			
DIODE WITH PENTODE																			
1S5	S	DIO	PND	T5	DET	VAC	RC	F	1.4	50						6AU	780		
1U5WA	S	DIO	PND	T5	DET	VAC	*NU	F	1.4	50						6BW	680		
12SF7		DIO	PND	NT8	DET	VAC	RC	H	12.6	150						7AZ	9R		
6E07		DIO	PND	T6	DET	VAC	RC	H	6.3	300						9LQ	9LT		
6ET7		DIO	PND	T6	DET	VAC	SY	H	6.3	900									
12CR6		DIO	PND	T5	DET	VAC	*TS	H	12.6	150						7EA			
5AM8		DIO	PND	T6	DET	HIP	SY	H	4.7	600						9CY			
6AM8A		DIO	PND	T6	DET	HIP	SY	H	6.3	450						9CY			
6HJ8		DIO	PND	T6	DET	VAC	*PL	H	6.3	450						9CY			
5AS8		DIO	PND	T6	DET	HIP	RC	H	4.7	600	330	50	10	50		3.00	9DS		
6AS8		DIO	PND	T6	DET	HIP	RC	H	6.3	450	330	50				3.00	9DS		
6BY8		DIO	PND	T6	DET	HIP	*PL	H	6.3	600	430	180				4.80	9FN		
33GT7		DIO	PND	T12	DA	VAC	GE	H	33.6	450	3K	125	3.5			12FC			
6JF8		DIO	PND	T12	DA	VAC	RA	H	6.3	2400	4K	825	5.0						
6HE7		DIO	PND	T12	DA	VAC	SY	H	6.3	2700	4K	1200		21			12FS		
12HE7		DIO	PND	T12	DA	VAC	SY	H	12.6	1350	4K	1200		21		7.00	12FS		
33GY7A		DIO	PND	T12	DA	VAC	GE	H	33.6	450	4K	810	3.8			7.00	12FN		
36HE7	S	DIO	PND	T12	DA	VAC	SY	H	37.8	450	4K	1200		21		7.00	12FS		
58HE7		DIO	PND	T12	DA	VAC	SY	H	58.0	300	4K	200		21		7.00	12FS		
3AHK7	S	DIO	PND	T12	DA	HIP	GE	H	37.8	450	4K	1200		16		9.00	12FS		
6GA7		DIO	PND	T12	DA	VAC	RA	H	6.3	2260	6K	140	5.0			12EB			
24GA7		DIO	PND	T12	DA	VAC	RA	H	24.0	600	6K	140	5.0			12EB			
32GA7		DIO	PND	T12	DA	VAC	RA	H	32.0	450	6K	140	5.0						
8ET7		DW	PND	T6	DET	VAC	SY	H	8.0	600				2			9LT		
5BW8		DW	PND	T6	DET	VAC	GE	H	4.7	600				5			9HK		
6AC9		DW	PND	T9	DET	VAC	SY	H	6.3	600				5			12GN		
6BW8		DW	PND	T6	DET	VAC	GE	H	6.3	450				5			9HK		
BAC9		DW	PND	T9	DET	VAC	SY	H	6.4	450				5			12GN		
6LT8		DW	PND	T6	AFT	GE	6.3		600					5	2.0		9RL		
8LT8		DW	PND	T6	HDA	VAC	GE	H	8.1	450				5	2.0		9RL		
TRIODE SINGLE																			
8552	S+	TRI	SIN	T5	UHF	SCO	RC	H	6.3	400	150	20	2.5	14	1100	4800	7.50	780	
1233		TRI	SIN	T6	REG	RCO	GE	H	6.3	1250	330	140	7.5	125	1200	17500	2.50	9R	
7312	+	TRI	SIN	CM	GEN	*RE	H	6.3	1250	275	150	20.0	135	125	7100	2	2.20		
5987	+	TRI	SIN	T3	PA	RCO	SY	H	6.3	450	165	50	4.0	100	9	1800	4	1.50	8DM
12R4A		TRI	SIN	T6	VIA	RCO	GE	H	12.6	300	550	105	5.5	150	34	6300	6	1.40	9AG

CHARACTERISTIC LISTING - CONTINUED

CHARACTERISTIC LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	USE	TUBE CHAR	REG	K	TYPICAL FILAMENT V	MAXIMUM PLATE V	MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			CAPACITANCE PICOFARADS IN OUT					
										V	MA	W	IR V	GM MA	RU OMHS	RP OHMS	IN	OUT			
TRIODE SINGLE CONTINUED																					
6CK4	TRI	SIN	T9	VDA	RC0	SY	H	6.3	1250	550	12.0	250	40	5500	7	1200	8.00	1.80	8JB		
6AH4GT	TRI	SIN	T9	VDA	RCA	SY	H	6.3	750	500	7.5	250	30	4500	8	1780	7.00	1.70	8EL		
6Z86	TRI	SIN	T3X2	OSC	SRC	RA	F	1.2	125	100	0.4	68	6	2100	12	1650	2.10	2.10	FL		
8056	S+	TRI	SIN	M74	GEN	HIP	H	6.3	135	50	15	0.4	24	8	7000	12	1530	4.00	1.70	12AQ	
8456	+	TRI	SIN	MT4	GEN	SRC	H	7.2	1000	50	15	0.4	24	10	8000	12	1530	4.00	1.70	12AQ	
6T4	S	TRI	SIN	T5	UHF	SRC	SY	H	6.3	225	200	3.5	80	18	7000	13	1860	2.90	0.25	7DK	
2D74	S+	TRI	SIN	T5	UHF	SRC	SY	H	2.4	600	135	20	2.3	80	15	6700	14	2000	2.20	1.30	7DK
3D74	S	TRI	SIN	T5	UHF	SRC	SY	H	3.2	450	135	20	2.3	80	15	6700	14	2000	2.20	1.30	7DK
6D74	S	TRI	SIN	T5	UHF	SRC	SY	H	6.3	225	135	20	2.3	80	15	6700	14	2000	2.20	1.30	7DK
2AF4P	S	TRI	SIN	T5	UHF	SRC	SY	H	2.4	600	150	28	2.2	80	16	6600	15	2270	2.20	0.45	7DK
6946	S+	TRI	SIN	T3	GEN	SRC	SY	H	6.3	175	250	15	1.5	100	9	3800	16	1.60	0.75	8DK	
6S4A	TRI	SIN	T6	VA	RCA	RC	H	6.3	600	500	105	7.5	250	26	4500	16	3600	4.20	0.90	9AC	
5977	S	TRI	SIN	T3	GEN	SRC	SY	H	6.3	150	180	22	3.3	100	10	4500	16	2000	2.00	0.80	8DK
3AF4P	TRI	SIN	T5	OSC	SRC	SY	H	3.2	450	150	28	2.2	100	20	7500	16	2130	2.20	0.45	7DK	
6AF4A	S	TRI	SIN	T5	UHF	SRC	RC	H	6.3	225	150	28	2.2	100	20	7500	16	2130	2.20	0.45	7DK
6C4WA	S*	TRI	SIN	T5	OSC	RCA	RC	H	6.3	150	350	28	3.8	250	10	2200	17	7700	1.70	1.10	6BG
6135	S	TRI	SIN	T5	GEN	RCA	GE	H	6.3	175	300	25	3.5	250	10	2200	17	7700	1.50	0.70	6RG
6J5GT	TRI	SIN	T9	GEN	RCA	#HY	H	6.3	300	330	20	2.8	250	9	2600	20	7700	2.00	0.70	6G	
12J5GT	S	TRI	SIN	T9	GEN	RCA	GE	H	12.6	150	330	20	2.8	250	9	2600	20	7700	2.00	0.70	6G
5904	TRI	SIN	T3	SY	SCD	SY	H	26.5	45	55	22	26	3	5000	20	2.20	0.80	8DK			
5734A	TRI	SIN	T2	FL	SCO	TO	H	6.3	150	300	5	0.4	300	2	27500	20	72K	1.60	1.90	BLW	
7246	TRI	SIN	T3X2	GEN	SCO	RA	H	1.2	150	150	8	1.7	105	22	2700	22	1.60	1.90	BLW		
8254	TRI	SIN	T3	UHF	SCO	AM	H	6.3	185	110	22	1.5	14500	24	2200	25	11K	2.20	0.90	5RC	
955	TRI	SIN	ACO	RFA	RCA	RC	H	6.3	150	250	1.6	250	6	2200	25	11K	1.20	1.10	7BS		
9002	TRI	SIN	T5	VHF	RCA	RCA	H	6.3	150	250	1.6	250	6	2200	25	11K	1.20	1.10	7BS		
7719	TRI	SIN	T6	DNA	HIP	#TS	H	12.6	450	330	46	6.0	300	4	3500	25	7100	6.50	1.00	9MX	
5703WR	* TRIS	SIN	T3	UHF	SRC	RA	H	6.3	200	200	15	1.4	120	9	5000	26	2600	2.60	0.85	FL	
6221	TRI	SIN	T3	VA	SCO	#SO	H	6.3	175	165	22	3.3	100	8	5800	27	4650	2.20	0.90	BHF	
5718	S*	TRI	SIN	T3	UHF	SRC	SY	H	6.3	150	165	22	3.3	150	13	6500	27	2200	2.20	0.70	8DK
788A	+	TRI	SIN	T3	OSC	SRC	SY	H	26.5	330	22	3.3	150	13	6500	27	2200	2.20	0.70	8DK	
8527	S+	TRI	SIN	T3	RFA	SRC	TO	H	6.3	150	165	22	3.3	150	13	6500	27	4150	2.40	2.40	8DK
6263A	TRI	SIN	PEN	UHF	RCA	RC	H	6.0	280	400	70	13.0	350	40	7000	27	2700	2.60	0.85	FL	
1DY4A	TRI	SIN	T5	UHF	SCO	SY	H	1.6	600	135	20	1.5	90	10	11000	28	3.50	1.15	1.15	7DK	
2DY4A	TRI	SIN	T5	UHF	SCO	SY	H	2.0	450	135	20	1.5	90	10	11000	28	3.50	1.15	1.15	7DK	
3DY4A	TRI	SIN	T5	UHF	SCO	SY	H	2.9	300	135	20	1.5	90	10	11000	28	3.50	1.15	1.15	7DK	
6DY4A	TRI	SIN	T5	UHF	SCO	SY	H	6.3	125	135	20	1.5	90	10	11000	28	3.50	1.15	1.15	7DK	
83H2	+	TRI	SIN	MT4	GEN	SRC	RC	H	7.2	1000	250	25	2.0	75	15	12800	28	2200	4.20	1.60	12AQ
8212	+	TRI	SIN	T6	DNA	SRC	SY	H	12.6	230	300	75	10.0	105	25	29000	28	4900	10.0	1.20	9PY
6H14	+	TRI	SIN	MT4	RFA	SRC	RC	H	6.3	150	165	22	2.2	100	10	6000	29	4800	2.20	0.70	8DK
8203	+	TRI	SIN	MT4	RFA	SRC	RC	H	6.3	160	300	30	1.8	150	7	6000	30	5000	4.20	1.60	12AQ

CHARACTERISTIC LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	USF	BULB	TURE CHAR	REG	K	TYPICAL FILAMENT			MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			CAPACITANCE PICOFARADS IN / OUT				
									V	MA	V	MA	V	MA	W	ER	TR	GM	MU	RP	OHMS	IN
TRIODE SINGLE -CONTINUED-																						
6DX4	TRI	SIN	T5	UHF		W	H	6.3	200	150	20	2.2	85	10	11000	30	2700	3.70	0.38	7DK		
8213	+	TRI	SIN	T3		SY	H	12.6	190	300	50	5.0	105	23	23000	31	1348	7.00	3.20	BLT		
75d6	*	TRI	SIN	MT4	GEN	SCO	RC	6.3	140	330	20	1.0	75	10	11500	33	2900	4.00	1.40	12AQ		
2DV4	TRI	SIN	MT4	OSC	SCO	RC	2.1	450	125	15	1.0	75	10	11500	33	3100	4.40	1.90	12EA			
6DV4	+	TRI	SIN	MT4	OSC	SCO	RC	6.3	135	125	15	1.0	10	11500	35	3100	4.40	1.90	12EA			
8393	+	TRI	SIN	MT4	OSC	SCO	RC	13.5	60	110	15	1.0	75	10	13300	35	3000	4.40	1.60	12AQ		
6264A	TRI	SIN	PEN	IHF	SRC	RC	H	6.0	280	400	70	13.0	350	35	6800	40	2K	9.50	2.90	FL		
7944	TRI	SIN	T3	GGA	SCO	RA	6.3	250	200	30	2.0	100	13	18000	41	6800	4.50	1.00	8KM			
B165	TRI	SIN	T3	GGA	SRC	SY	6.3	300	250	50	4.2	200	17	19000	42	6800	8.50	5.00	8KM			
8186	S+	TRI	SIN	T3	GGA	SRC	SY	26.5	75	250	50	4.2	200	17	19000	42	10000	5.00	5.00	8KM		
2HN4A	TRI	SIN	T5	VHF	SCO	GE	H	2.3	600	275	22	2.2	150	9	6800	43	6300	3.20	1.40	7EG		
3BN4	TRI	SIN	T5	VHF	SCO	GE	H	3.0	450	275	22	2.2	150	9	6800	43	6300	3.20	1.40	7EG		
6BN4A	TRI	SIN	T3	VHF	SCO	GE	H	6.3	200	275	22	2.2	150	9	6800	43	6300	3.20	1.40	7EG		
8108	TRI	SIN	L1T	GEN	AM	H	6.3	735	500	70	10.0	180	60	21000	43	1600	9.00	1.80	9V			
5842	S	TRI	SIN	T6	GGA	SCO	WE	H	6.3	300	200	38	4.5	130	27	27000	43	1600	9.00	1.80	9V	
7576	TRI	SIN	T3	GGA	SCO	RA	H	6.3	450	250	50	4.1	200	16	10700	46	12000	12.00	2.90	FL		
6RC4	TRI	SIN	T6	UHF	SRC	RC	H	6.3	225	250	25	2.5	150	14	10000	48	4800	2.90	0.26	9DR		
2FH5	S	TRI	SIN	T5	VHF	SCO	*PL	2.4	600	150	22	2.2	135	11	9000	50	5600	3.20	3.20	7FP		
3FH5	S	TRI	SIN	T5	VHF	SCO	*PL	3.0	450	150	22	2.2	135	11	9000	50	5600	3.20	3.20	7FP		
6FH5	TRI	SIN	T5	VHF	SCO	*PL	H	6.3	200	150	22	2.2	135	11	9000	50	5600	3.20	3.20	7FP		
6533WA	S*	TRI	SIN	T3	VA	SCO	RA	H	6.3	200	150	2	0.5	120	9000	54	1800	54	1.75	0.60		
8096	S+	TRI	SIN	T3	GEN	SCO	RA	H	6.3	200	150	2	0.5	120	9000	54	1800	54	1.75	0.60		
1218A	S	TRI	SIN	T5	GGA	SCO	SY	H	6.3	225	300	30	4.0	200	18	10700	55	10700	55	5.50	1.80	
8334	+	TRI	SIN	T5	UHF	SRC	SY	H	6.3	225	330	33	4.4	200	18	10700	55	10700	55	5.50	1.80	
6J4WA	S+	TRI	SIN	T5	UHF	SCO	RC	H	6.3	400	150	20	2.2	150	15	12000	55	4500	2.90	0.25	78Q	
6319	+	TRI	SIN	T3	UHF	SCO	SY	H	6.3	150	165	20	1.0	100	8	14000	55	14000	55	4.20	2.20	
5876	TRI	SIN	PEN	UHF	SCO	RC	H	6.3	135	300	25	6.2	250	18	6500	56	8625	8625	8625	8LD		
8070	TRI	SIN	T3	UHF	SRC	SY	H	6.3	125	165	20	1.0	110	8	11000	58	9000	11000	9000	BLD		
6AB4	S	TRI	SIN	T5	GEN	SRC	GE	H	6.3	150	300	2.5	2.5	250	10	5500	60	11K	11K	11K	SC	
6664	S	TRI	SIN	T5	GEN	SRC	GE	H	6.3	150	330	2.9	2.9	250	10	5500	60	11K	11K	11K	SC	
7895	TRI	SIN	CM	UHF	SCO	GE	H	6.3	385	200	12	2.0	150	12	11000	62	7000	7000	7000	12AQ		
7391	TRI	SIN	MT4	RFA	SRC	RC	H	2.1	450	300	15	1.0	110	7	9000	63	12000	65	4.30	1.80		
2DS4	S+	TRI	SIN	MT4	VHF	SRC	RC	H	1.7	600	135	15	1.5	110	6	9000	63	7000	4.30	1.80	BL	
2EG4	S	TRI	SIN	MT4	RFA	SRC	RC	H	6.3	135	300	15	1.0	110	7	9000	63	7000	4.30	1.80	12AQ	
6DS4	S+	TRI	SIN	MT4	GEN	SCO	RC	H	6.3	135	300	15	1.0	110	7	9000	63	7000	4.30	1.80	12AQ	
7895	+	TRI	SIN	MT4	GEN	SCO	RC	H	6.3	135	330	15	1.0	110	7	9400	64	6800	6800	6800	12AQ	
8441	+	TRI	SIN	MT4	GEN	SCO	RC	H	7.2	1000	250	15	1.0	110	7	9400	64	6800	4.20	1.70	12AQ	
8071	+	TRI	SIN	T3	UHF	SCO	SY	H	6.3	125	330	20	2.0	150	12	12000	65	13500	65	3.70	0.08	
6DL4	S	TRI	SIN	T6	GGA	UHF	AM	H	6.3	165	230	13	2.0	160	12	13500	65	13500	65	3.80	1.70	
8255	TRI	SIN	T6	GGA	UHF	TE	H	6.3	160	55	12	1.8	150	12	13500	65	13500	65	3.80	1.70		
2CW4	S	TRI	SIN	MT4	RFA	SCO	RC	H	2.0	450	135	1.5	1.5	70	7	12500	68	5440	4.30	1.80	12AQ	

CHARACTERISTIC LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USE	CHAR	TUBE REG	K	TYPICAL FILAMENT TYPE				MAXIMUM PLATE CHARACTERISTICS				TYPICAL CHARACTERISTICS				
									V	W	MA	V	MA	W	V	MA	W	ER	IR	GM	MU
TRIODE SINGLE -CONTINUED-																					
6CW4	S	TRI	SIN	MT4	RFA	SCO	RC	H	6.3	130	135	1.5	70	7	12500	68	5440	4.30	1.80	12A0	
13CW4		TRI	SIN	MT4	RFA	SCO	RC	H	6.3	60	135	1.5	70	7	12500	68	5440	4.30	1.80	12A0	
6222	*	TRI	SIN	T3	VAF	SCO	#SO	SY	6.3	175	165	3	0.6	100	7000	1700	70	4120	2.00	0.90	8HF
5719	*	TRI	SIN	T3	AFA	SCO	RA	H	6.3	150	165	3	0.6	150	2	2300	70	1.70	0.60	8DK	
57444R	S*	TRI	SIN	T3	UHF	SCO	RA	H	6.3	200	275	6	1.3	250	4	4000	70	2.70	2.30	FL	
6AN4	S	TRI	SIN	T5	UHF	SCO	SY	H	6.3	225	300	30	4.0	200	13	10000	70	2.90	0.30	7DK	
8058	*	TRI	SIN	MT4	GEN	SCO	RC	H	6.3	135	150	1.5	110	10	12400	70	5600	1.30	1.20T		
2FY5	S	TRI	SIN	T5	VHF	RCO	AM	H	2.4	600	200	2.2	135	11	13000	70	4.75	3.30	7FP		
3FY5	S	TRI	SIN	T5	VHF	RCO	AM	H	3.1	450	200	2.2	135	11	13000	70	4.75	3.30	7FP		
6FY5	S	TRI	SIN	T5	VHF	RCO	AM	H	6.3	200	200	2.2	135	11	13000	70	4.75	3.30	7FP		
8627	*	TRI	SIN	MT4	GEN	SCO	RC	H	6.3	150	300	14	2.7	180	21	13000	70	5400	6.00	1.20	12CT
7552	*	TRI	SIN	PEN	UHF	SCO	RC	H	6.3	225	250	2.5	125	14	16000	70	4400	1.70	4.40	7GK	
2HA5	S	TRI	SIN	T5	RFA	SCO	AM	H	2.2	600	220	2.6	135	12	14500	72	7GK	7GK			
3HA5	S	TRI	SIN	T5	RFA	SCO	#PL	H	2.7	450	220	2.6	135	12	14500	72	7GK	7GK			
4HA5	S	TRI	SIN	T5	RFA	SCO	SY	H	3.9	300	220	2.6	135	12	14500	72	7GK	7GK			
6HA5	S	TRI	SIN	T5	RFA	AM	H	H	6.3	180	220	2.6	135	12	14500	72	7GK	7GK			
6F05A	S	TRI	SIN	T5	VHF	SCO	SY	H	6.3	180	200	2.5	135	9	12000	74	6300	5.00	3.50	7FP	
3ES5	S	TRI	SIN	T5	AFA	SCO	#PL	H	3.0	450	250	2.2	200	20	10	9000	75	8000	3.20	3.20	7FP
6ES5	S	TRI	SIN	T5	AFA	SCO	SY	H	6.3	200	250	2.2	200	10	9000	75	8000	3.20	3.20	7FP	
2HK5	S	TRI	SIN	T5	VHF	SCO	SY	H	2.3	600	200	2.2	135	12	15000	75	5000	4.40	2.60	7GH	
3FK5	S	TRI	SIN	T5	RFA	SY	H	H	2.9	450	200	2.3	135	12	15000	75	5000	4.40	2.60	7GK	
3HK5	S	TRI	SIN	T5	VHF	SRC	SY	H	2.9	450	200	2.3	135	12	15000	75	5000	4.40	2.60	7GK	
4FK5	S	TRI	SIN	T5	RFA	SRC	SY	H	4.0	300	200	2.3	135	12	15000	75	5000	4.40	2.60	7GK	
4HK5	S	TRI	SIN	T5	VHF	SRC	SY	H	4.0	300	200	2.3	135	12	15000	75	5000	4.40	2.60	7GK	
6FK5	S	TRI	SIN	T5	RFA	SY	H	H	6.3	190	200	2.3	135	12	15000	75	5000	4.40	2.60	7GK	
6HK5	S	TRI	SIN	T5	VHF	SRC	SY	H	6.3	190	200	2.3	135	12	15000	75	5000	4.40	2.60	7GK	
2GK5	S	TRI	SIN	T5	VHF	SCO	SY	H	2.3	600	200	2.5	135	12	15000	78	5400	5.00	3.50	7GK	
2H05	S	TRI	SIN	T5	VHF	SCO	WH	H	2.4	600	200	2.5	135	12	15000	78	5400	5.00	3.50	7FP	
6GK5	S	TRI	SIN	T5	VHF	SCO	SY	H	6.3	180	200	2.5	135	12	15000	78	5400	5.00	3.50	7GK	
3GK5	S	TRI	SIN	T5	VHF	SCO	WH	H	2.8	450	200	2.5	135	12	15000	78	5400	5.00	3.50	7GK	
3H05	S	TRI	SIN	T5	VHF	SCO	WH	H	3.0	450	200	2.5	135	12	15000	78	5400	5.00	3.50	7GK	
7625	S	TRI	SIN	CM	AFA	SCO	GE	H	6.3	240	275	4	0.8	150	9500	1400	40	57K	1.50	0.03	
4GK5	S	TRI	SIN	T5	VHF	SCO	SY	H	4.0	300	200	2.5	135	12	15000	78	5400	5.00	3.50	7FP	
4H05	S	TRI	SIN	T5	VHF	SCO	WH	H	4.2	300	200	2.5	135	12	15000	78	5400	5.00	3.50	7GK	
6GK5	S	TRI	SIN	T5	VHF	SCO	SY	H	6.3	180	200	2.5	135	12	15000	78	5400	5.00	3.50	7FP	
6H05	S	TRI	SIN	T5	VHF	SCO	WH	H	2.8	450	200	2.5	135	12	15000	78	5400	5.00	3.50	7GK	
7077	*	TRI	SIN	CM	RFA	SCO	GE	H	6.3	240	250	1.0	250	6	9000	80	6900	4.40	1.80	7DK	
773A	*	TRI	SIN	T5	UHF	SRC	SY	H	6.3	225	330	4.0	5.0	200	12	9500	80	3.00	3.50	7FP	
2E95	S+	TRI	SIN	T5	VHF	SRC	RE	H	2.1	600	250	2.0	2.2	200	10	10500	80	4.40	4.00	7FP	
3E95	S	TRI	SIN	T5	VHF	SRC	RE	H	2.8	450	250	2.0	2.2	200	10	10500	80	4.40	4.00	7FP	
5E95	S	TRI	SIN	T5	VHF	SRC	AM	H	6.3	180	250	2.0	2.2	200	10	10500	80	4.40	4.00	7FP	

CHARACTERISTIC LISTING - CONTINUED

TUBE TYPE NUMBER	CONE NUMBER	KIND TYPE	TYPF HULH	USE CHAR	TUBE CHAR	RFG TYPE	K FILAMENT TYPE	MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			CAPACITANCE						
								V MA	W MA	V MA	ER V	IR MA	GM UMHO	RP OMHS	PICOFARADS IN OUT					
TRIODE SINGLE -CONTINUED-																				
7553	+	TRI	SIN	PEN	UHF	SRC	H	6.3	225	250	2.5	125	12	13000	80	6150	4.40	0.03		
2H45	S	TRI	SIN	T5	VA	SRC	WH	2.4	600	200	2.6	120	15	18000	H2	4.50	3.00			
3H45	S	TRI	SIN	T5	VA	SRC	WH	2.9	450	200	2.6	120	15	18000	H2	4.50	3.00			
4H45	S	TRI	SIN	T5	VA	SRC	WH	4.0	300	200	2.6	120	15	18000	H2	4.50	3.00			
6H45	S	TRI	SIN	T5	VA	SRC	WH	6.3	185	200	2.6	120	15	18000	H2	4.50	3.00			
6Av4		TRI	SIN	T6	MIX	SCO	GE	6.3	225	200	2.0	200	10	9800	85	6700	1.70	0.10		
7Av6	S	TRI	SIN	CM	PA	SCO	GE	6.3	240	250	2.5	1.0	150	8	10500	90	1.80	0.32		
7720	S	TRI	SIN	CM	NSC	SCO	GE	6.3	240	250	2.5	1.0	150	8	10500	90	1.80	0.32		
6D44	S	TRI	SIN	T5	VA	SCO	#HY	6.3	150	330	1.2	250	1	1600	100	62K	1.60	0.46		
7n44	S	TRI	SIN	CM	UHF	SCO	GE	6.3	300	200	1.2	2.0	175	10	15000	110	98X	98X		
7784	S	TRI	SIN	CM	UHF	SCO	GE	6.3	300	200	1.2	2.0	180	10	15000	110	98X	98X		
6249	S	TRI	SIN	CM	RFA	SCO	GE	6.3	300	200	1.2	2.0	175	10	11500	115	9600	9600		
7558	S	TRI	SIN	CM	MT4	SCO	GE	6.3	400	300	3.0	200	25	40000	125	3100	6.50	0.08		
8628	+	TRI	SIN	CM	RFA	SCO	GE	6.3	100	250	0.3	150	2	3100	127	41K	3.80	1.70		
7754	S	TRI	SIN	CM	RFA	SCO	GE	6.3	400	330	3	5.5	200	24	50000	225	4500	12AQ		
7235	S	TRI	SIN	T6	REG	RCD	NU	H	6.3	300	10K	100	12.0	1K	2	800	550	700K	9KE	
TRIODE TWIN																				
7.327	S+	TRI	TWN	T3	ONA	ONA	SY	6.3	300	300	1.0	300	700				1.90	0.32		
7550	S+	TRI	TWN	T3	ONA	SRC	SY	6.3	525	300	2.0	300	1400			4.00	0.28			
7892		TRI	TWN	T6	VA	HIP	#TS	6.3	900	330	4.2	175	5000			4.00	0.60			
6Gv8		TRI	TWN	T6	RFA	RE	H	6.3	530	30	20	0.6	7800			21.00	9H			
KFC7		TRI	TWN	T6	CA	SCO	MU	6.3	340	130	22	1.8	9n	15	12000		9NE			
7FC7		TRI	TWN	T6	CA	SCO	MU	H	7.2	300	130	22	1.8	9n	15	12000		9DD		
4ES8		TRI	TWN	T6	CA	SRC	RE	H	4.5	600	130	22	1.8	90	15	12500		9AJ		
5ES8		TRI	TWN	T6	CA	SRC	RE	H	5.6	450	130	22	1.8	90	15	12500		9AJ		
6ES8		TRI	TWN	T6	CA	SRC	RE	H	6.3	365	130	22	1.8	90	15	12500		9AJ		
7ES8	S	TRI	TWN	T6	CA	SRC	RE	H	7.2	300	130	22	1.8	90	15	12500		9AJ		
6AS7MA	S	TRI	TWN	T12	REG	RCD	GE	H	6.3	2500	250	125	13.0	135	125	7000	2	280	6.50	2.20
6G80XH	S*	TRI	TWN	T12	PA	RCD	RC	H	6.3	2500	250	125	13.0	135	125	7000	2	280	6.00	2.20
6n82	S	TRI	TWN	T12	PA	RCD	RC	H	26.5	600	250	125	13.0	135	125	7000	2	280	6.00	2.20
6520	S	TRI	TWN	ST16	PA	RCD	CH	H	6.3	2500	300	125	14.0	135	112	7000	2	280	8.40	2.20
7256	S	TRI	TWN	T12	PA	RCD	#TS	H	6.3	2400	300	190	15.0	120	100	12500	5	9.00	3.30	8BD

TYPICAL CHARACTERISTICS

MAXIMUM PLATE

CHARACTERISTICS

CAPACITANCE

PICOFARADS

IN | OUT

EIA BASE NO.

CHARACTERISTIC LISTING - CONTINUED

TPI010F TWIN
-CONTINUATION-

LIHE TYPE NUMBER	TUNE	KID	TYPF	RULB	USF	TRE	K	TYPICAL FILAMENT V	MAXIMUM PLATE CHARACTERISTICS	TYPICAL CHARACTERISTICS			CAPACITANCE PICOFARADS IN			EIA BASE NO.				
										IR MA	MU UMHO	HP OMHS	EIA BASE NO.	IR MA	MU UMHO					
592HA 7d12	S	TRI	TWN	T12	P6G	GE	H	6.3	2400	275	140	15.0	110	100	15500	5	350	6.50	2.00	8BD
4HX7G7	S	TRI	TWN	T12	PA	HIP	H	6.3	2500	250	160	13.0	100	115	20000	8				
345	S	TRI	TWN	T5	VDA	RCD	SY	6.3	1500	500	180	10.0	250	42	1300	4		4.40	1.10	8BD
6BL7GTA	S	TRI	TWN	T9	VDA	RCD	RC	2.8	1100	135	5	90	4	1800	15	8300	0.90	1.00	7BC	
7AU7	S	TRI	TWN	T6	AFA	RCO	GE	7.0	300	300	60	2.8	250	40	7000	15	2150	4.20	0.90	8BD
9AU7	S	TRI	TWN	T6	AFA	RCO	GE	9.4	225	300	60	2.8	250	10	2200	17	7700	1.60	0.40	9A
12AU7A	S	TRI	TWN	T6	AFA	RCO	#PL	12.6	150	300	60	2.8	250	10	2200	17	7700	1.60	0.40	9A
5H14A	S*	TRI	TWN	T6	GEN	RCO	GE	12.6	175	330	22	3.0	250	10	2200	17	7700	1.60	0.50	9A
6169	S+	TRI	TWN	T6	AFA	RCO	SY	12.6	150	330	22	3.0	250	10	2200	17	7700	1.60	0.40	9A
6660	S	TRI	TWN	T6	AFA	RCO	GE	12.6	150	330	3.0	250	10	2200	17	7700	1.60	0.40	9A	
7469	S+	TRI	TWN	T6	AFA	SRC	ST	12.6	150	330	20	3.0	250	10	2200	17	7700	1.60	0.50	9A
6GU7	S	TRI	TWN	T6	GEN	RCO	RC	6.3	600	330	300	2.0	250	12	3100	17	5500	9.00	9LP	
12RH7A	S	TRI	TWN	T6	VDO	RCO	SY	8.4	450	330	3.0	250	12	3100	17	5500	3.40	0.30	9A	
6346	*	TRI	TWN	T6	CA	SRC	#HY	12.6	300	500	20	3.5	250	12	3100	17	5300	3.30	0.80	9A
6350	S	TRI	TWN	T6	ONA	SRC	GE	6.3	350	300	18	1.5	100	10	4000	17	4250	2.00	1.10	8CJ
5697WA	S*	TRI	TWN	T6	GEN	RCO	#TS	12.6	300	300	300	3.5	150	11	4600	18	3900	3.60	0.60	9CZ
7370	S	TRI	TWN	T6	GEN	RCO	#TS	40.0	130	330	65	3.8	120	56	11500	18	1560	4.00	0.60	9H
7044	S	TRI	TWN	T6	ONA	SRC	SY	12.6	450	600	400	4.5	120	36	10000	19	1900	4.80	0.65	9H
12U7	TRI	TWN	T6	GEN	SC0	#TS	H	12.6	150	30	15	1.3	1	1600	20	12K	1.60	0.40	9A	
5692	S+	TRI	TWN	T9	VA	RCO	RC	6.3	600	275	15	1.8	250	6	2200	20	9100	8BD		
6C67	S	TRI	TWN	T6	GEN	RCO	RC	6.3	600	300	20	3.5	250	9	2600	20	7700	2.30	2.20	9AJ
6FQ7	S	TRI	TWN	T6	GEN	RCO	RC	6.3	600	330	22	4.0	250	9	2600	20	7700	2.20	0.70	8BD
6SN7GTR	S+	TRI	TWN	T9	GEN	RCO	RC	6.3	600	450	70	5.0	250	9	2600	20	7700	2.20	0.70	8BD
8CG7	S	TRI	TWN	T6	GEN	RCO	GE	8.4	450	300	20	3.5	250	9	2600	20	7700	2.30	2.20	9AJ
HFQ7	S	TRI	TWN	T6	GEN	RCO	RC	8.4	450	330	22	4.0	250	9	2600	20	7700	2.20	0.70	8BD
HSN7GTR	S	TRI	TWN	T9	GEN	RCO	SY	8.4	450	450	70	5.0	250	9	2600	20	7700	2.20	0.70	9LP
12FQ7	S	TRI	TWN	T6	GEN	RCO	MT	12.6	300	330	22	4.0	250	9	2600	20	7700	2.20	0.70	8BD
12SN7GTA	TRI	TWN	T9	GEN	RCO	GE	H	12.6	300	450	70	5.0	250	9	2600	20	7700	2.20	0.70	8BD
611J	S*	TRI	TWN	T3	VA	SRC	SY	6.3	300	165	22	1.1	100	8	5000	20	4000	1.90	0.28	8NG
7079	S*	TRI	TWN	T3	UHF	SRC	RA	6.3	300	165	22	1.1	100	8	5000	20	4000	1.50	1.90	8DG
7760	S	TRI	TWN	T3	GEN	SC0	SY	26.5	90	55	22	2.6	250	3	5000	20	2200	2.20	0.36	8DG
7887	S+	TRI	TWN	T3	GEN	SRC	SY	26.5	90	165	22	1.1	100	8	5000	20	1900	1.90	3.00	8DG
8526	S	TRI	TWN	T3	VA	SRC	TO	6.3	300	165	22	1.0	100	8	5000	20	4000	2.10	1.40	8DG
64453	S	TRI	TWN	T6	ONA	SRC	GE	12.6	300	300	4.0	250	14	5200	20	3850	3.00	0.60	9CZ	
8113	S	TRI	TWN	T3	GEN	SC0	SY	26.5	85	55	22	2.5	26	6	11000	20	2800	2.2	0.50	9A
5963	S	TRI	TWN	T6	ONA	SRC	RC	12.6	150	250	100	2.5	68	7	2800	22	7850	1.90	0.50	9A
7490	+	TRI	TWN	T6	AFA	SRC	ST	12.6	300	300	5.0	250	6	3200	24	3200	2.10	0.40	9A	
82223	+	TRI	TWN	T6	CA	SRC	SH	6.3	475	250	40	3.0	100	30	18000	25	14000	4.70	0.70	9AJ

CHARACTERISTIC LISTING - CONTINUED

TRIODE TWIN
CONTINUED

TUBE TYPE, NUMBER	CODE	KIND	TYPE	BULB	USF	TURE CHAR	REG TYPE	K	TYPICAL FILAMENT CHARACTERISTICS			MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			CAPACITANCE PICOFARADS IN OUT				
									V	MA	W	V	MA	W	ER	V	IB MA	GM	MU	RP	OHMS	
6832	S+	TRI	TWN	T3	VA	SCO	RA	H	6.3	400	165	3	0.1	100	800U	1000	26	8DG	8DG	9DD	9DD	
7EK7	S	TRI	TWN	T6	OSC	SCO	AE	H	7.0	300	250	16	2.0	90	15	9000	26	7550	2.60	0.50	78F	78F
5844	S	TRI	TWN	T5	ONA	SRC	GE	H	6.3	300	200	10	1.0	100	5	3700	28	6500	2.90	0.9A	9A	
6211A	S+	TRI	TWN	T6	ONA	HIP	GE	H	12.6	150	200	14	1.3	100	7	4700	31	6500	2.90	0.9A	9A	
6DJ8	S	TRI	TWN	T6	CA	SRC	RE	H	6.3	365	130	25	1.8	90	15	12500	33	12500	33	1.95	9DE	
6FW8	S	TRI	TWN	T6	RFA	SRC	RC	H	6.3	400	250	22	2.2	125	15	12500	33	2600	3.40	2.40	9AJ	
7DJ8	S	TRI	TWN	T6	CA	SRC	RE	H	7.0	300	130	25	1.8	90	15	12500	33	12500	33	1.95	9AJ	
12DJ8	S	TRI	TWN	T6	GEN	SRC	SY	H	12.6	180	130	25	1.8	90	15	12500	33	12500	33	1.95	9AJ	
6922	S+	TRI	TWN	T6	CA	SRC	RA	H	6.3	300	250	22	1.6	100	15	12500	33	12500	33	1.95	9DE	
7308	S+	TRI	TWN	T6	GEN	SRC	AM	H	6.3	335	400	110	1.6	100	15	12500	33	12500	33	1.95	9DE	
7803	S	TRI	TWN	T6	VA	SCO	SY	H	6.3	365	200	30	3.5	90	15	12500	33	3.30	1.80	9AJ	9AJ	
8431	S+	TRI	TWN	T6	VHF	SRC	SY	H	12.6	180	200	30	3.5	90	15	12500	33	3.30	1.80	9AJ	9AJ	
6947	S*	TRI	TWN	T3	GEN	SRC	SY	H	6.3	350	250	13	0.8	150	6	4000	35	1.60	0.20	8DG	8DG	
6021WA	S*	TRI	TWN	T3	UHF	SCO	SY	H	6.3	300	165	22	1.1	100	6	5400	35	6500	2.40	0.26	8DG	
7754	+	TRI	TWN	T3	GEN	SRC	SY	H	26.5	90	165	22	1.1	100	6	5400	35	2.40	0.33	8DG	8DG	
8525	+	TRI	TWN	T3	UHF	SRC	TO	H	6.3	300	165	22	0.7	100	6	5400	35	6500	2.10	1.40	8DG	
2C51	S	TRI	TWN	T6	GEN	SRC	WE	H	6.3	300	300	18	1.5	150	8	5500	35	6500	2.20	1.00	8CJ	
417A	S	TRI	TWN	T6	GEN	SRC	SY	H	40.0	50	330	18	1.6	150	8	5500	35	6400	2.20	1.00	8CJ	
5671	S*	TRI	TWN	T6	GEN	SRC	GE	H	12.6	175	330	18	1.4	150	8	5500	35	6400	2.20	1.00	8CJ	
7861	S	TRI	TWN	T6	GEN	SRC	SY	H	4.2	600	250	22	2.2	150	10	6200	35	5300	2.60	1.30	9AJ	
4BC8	S	TRI	TWN	T6	CA	SRC	SY	H	6.3	400	250	22	2.2	150	10	6200	35	5300	2.60	1.30	9AJ	
6BC8	S	TRI	TWN	T6	CA	SRC	SY	H	4.2	600	250	20	2.0	150	10	6200	35	5300	2.60	1.30	9AJ	
4B27	S	TRI	TWN	T6	CA	SRC	*PPL	H	6.3	400	250	20	2.0	150	10	6800	36	5300	2.60	1.20	9AJ	
6B27	S	TRI	TWN	T6	RF	SRC	RC	H	15.5	180	275	22	2.2	150	10	6800	36	5300	2.60	1.20	9AJ	
7027	S	TRI	TWN	T6	RF	SRC	RC	H	4.2	600	150	20	2.0	150	10	6200	36	5300	2.60	1.20	9AJ	
4BS8	S	TRI	TWN	T6	CA	SRC	WH	H	6.3	400	150	20	2.0	150	10	7200	36	5000	2.60	1.40	9AJ	
6BS8	S	TRI	TWN	T6	CA	SRC	WH	H	6.3	400	150	20	2.0	150	10	7200	36	5000	2.60	1.40	9AJ	
6HK8	S	TRI	TWN	T6	CA	SRC	TO	H	6.3	400	150	20	2.0	150	10	8000	36	4500	3.30	0.40	7BF	
3FX7	S	TRI	TWN	T3	AF	SRC	TO	H	3.5	600	100	20	1.7	90	9	9500	36	3800	3.10	1.05	8LK	
5FX7	S	TRI	TWN	T3	AF	SRC	TO	H	6.3	300	100	20	1.7	90	9	9500	36	3800	5.50	2.95	8LK	
5J6	S	TRI	TWN	T6	CA	SRC	GE	H	4.7	600	150	20	1.5	100	8	5300	38	7100	2.20	0.40	7BF	
6J64A	S	TRI	TWN	T5	RFA	SRC	RC	H	6.3	450	300	15	1.5	100	8	5300	38	7100	2.20	0.40	7BF	
19J6	S	TRI	TWN	T5	RFA	SRC	RC	H	18.9	150	300	15	1.5	100	8	5300	38	7100	2.20	0.40	7BF	
6C99	S	TRI	TWN	T5	RFA	SRC	RC	H	6.3	450	330	25	1.6	100	9	6000	38	6300	2.10	0.40	7RF	
6101	S+	TRI	TWN	T5	RFA	RCO	RC	H	6.3	450	330	25	0.8	100	8	6000	38	6300	2.00	0.40	7BF	
4B07A	S	TRI	TWN	T6	CA	SRC	SY	H	4.2	600	250	20	2.0	150	9	6400	38	5900	2.60	1.20	9AJ	
5H07A	S	TRI	TWN	T6	CA	SRC	GE	H	5.6	450	300	20	2.0	150	9	6400	38	5900	2.60	1.20	9AJ	
6H07A	S	TRI	TWN	T6	CA	SRC	RC	H	6.3	400	250	20	2.0	150	9	6400	38	5900	2.60	1.20	9AJ	
5964	S	TRI	TWN	T5	ONA	SRC	RC	H	6.3	450	250	25	1.5	100	10	6000	39	6500	2.10	0.40	8DG	
7963	+	TRI	TWN	T3	UHF	SCO	SY	H	6.3	350	150	25	1.1	100	8	13000	40	3160	3.160	0.40	8DG	

CHARACTERISTIC LISTING - CONTINUED

TRIODE TWIN
-CONTINUED-

TUBE TYPE NUMBER	CODE	KIND	TYPE	RULD	USF	TUBE CHAR	REG	K	TYPICAL FILAMENT V			MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			CAPACITANCE				
									V	mA	W	V	MA	W	ER	TR	GM	MU	RPP	NHMS	PICOFARADS IN	OUT
12AV7	S	TRI	TWN	T6	RFA	SRC	PPL	H	12.6	225	300	1.60	2.7	150	18	8500	41	4800	3.10	0.50	9A	
6414	*	TRI	TWN	T6	DNA	SRC	GE	H	12.6	225	200	1.60	2.0	180	8	5600	42	7650	4.00	0.47	9A	
58A7A		TRI	TWN	T6	CA	SRC	GE	H	4.7	600	300	2.7	150	18	9300	43	4600	3.00	1.00	9AJ		
68K7R	S	TRI	TWN	T6	CA	SRC	GE	H	6.3	450	300	2.7	150	18	9300	43	4600	3.00	1.00	9AJ		
12AY7	S	TRI	TWN	T6	CA	SCO	GE	H	12.6	150	300	1.0	1.5	250	3	18000	44	25K	1.30	0.60	9A	
6072A	S+	TRI	TWN	T6	AFA	SRC	GE	H	12.6	175	330	4	1.6	250	3	1800	44	25K	1.50	0.43	9A	
4KN8	S	TRI	TWN	T6	VHF	SCO	H1	H	4.2	600	220	2.2	110	16	16000	45	2800	4.00	0.50	9AJ		
6KN8	S	TRI	TWN	T6	VHF	SCO	H1	H	6.3	400	220	2.2	110	16	16000	45	2800	4.00	0.50	9A		
6829	S+	TRI	TWN	T6	DNA	SRC	GE	H	12.6	225	275	1.60	2.2	150	8	6700	47	7000	4.00	0.50	9A	
5965A	S+	TRI	TWN	T6	DNA	HIP	GE	H	12.6	225	330	1.6	4.0	150	8	7000	47	6700	4.00	0.50	9A	
6408	S	TRI	TWN	T6	RFA	SCO	RE	H	6.3	435				230	10	6000	57	9700				
6EV7		TRI	TWN	T6	DNA	SRC	RC	H	6.3	600	300	2.0	2.5	250	9	5200	60	12K	0.30	0.33	9LP	
6DT8		TRI	TWN	T6	RFA	SRC	RC	H	6.3	300	300	2.0	2.5	250	10	5500	60	11K	2.70	1.60	9AJ	
12AT7wB	S*	TRI	TWN	T6	RFA	SRC	RC	H	12.6	150	300	2.0	2.5	250	10	5500	60	11K	2.70	1.60	9A	
12A77A	S	TRI	TWN	T6	OSC	SRC	PPL	H	12.6	225	330	5.0	250	10	5500	60	11K	3.10	0.50	9A		
12DT8	S	TRI	TWN	T6	RFA	SRC	RC	H	12.6	150	300	2.0	2.5	250	10	5500	60	11K	2.70	1.60	9AJ	
6201	S+	TRI	TWN	T6	VHF	SRC	RC	H	12.6	150	300	2.0	2.5	250	10	5500	60	11K	2.70	1.60	9A	
6675	S	TRI	TWN	T6	RFA	SRC	RC	H	12.6	150	330	2.0	2.6	250	10	5500	60	11K	2.70	1.60	9A	
7492	S+	TRI	TWN	T6	RFA	SRC	ST	H	12.6	150	380	2.2	2.8	250	10	5500	60	11K	2.50	0.45	9A	
7898	+	TRI	TWN	T6	GEN	SRC	RC	H	13.5	150	330	2.0	2.8	250	10	5500	60	11K	2.50	0.45	9EP	
5755	S	TRI	TWN	T6	RFA	SRC	RC	H	12.6	150	300	2.0	2.5	250	10	5500	60	11K	2.70	1.60	9AJ	
5751	S*	TRI	TWN	T6	VHF	SRC	RC	H	12.6	150	300	2.0	2.5	250	10	5500	60	11K	2.70	1.60	9A	
6SC7GT	S	TRI	TWN	T6	MTR	AFA	SCO	SY	H	12.6	150	330	2.0	2.6	250	10	5500	60	11K	2.70	1.60	9A
12SC7	S	TRI	TWN	T6	MTR	AFA	SCO	RC	H	12.6	150	250	2.0	2.5	250	10	5500	60	11K	2.70	1.60	9A
6SSL7wGT	S+	TRI	TWN	T6	VA	SCO	RC	H	6.3	300	250	1.0	2.5	250	2	2500	70	44K			BDG	
12SL76G	S	TRI	TWN	T6	VA	SCO	RC	H	12.6	180	225	4	0.9	310	1500	500	70	140K	1.50	0.80	9J	
5691	S+	TRI	TWN	T6	VA	SCO	RC	H	12.6	175	330	0.8	2.5	250	1	1200	70	58K	1.40	0.46	9A	
6948	*	TRI	TWN	T6	VA	SCO	SY	H	6.3	300	250	0.5	1.0	250	2	1300	70	53K	2.00	3.00	9S	
6112wA	S*	TRI	TWN	T6	VA	SCO	SY	H	6.3	300	165	0.6	1.50	250	2	1300	70	53K	2.00	3.00	9S	
7889	S+	TRI	TWN	T6	VA	SCO	SY	H	26.5	90	330	3	0.6	150	2	2500	70	44K			BDG	
12F08	TRI	TWN	T6	OSC	SCO	GE	H	12.6	150	300	1.0	1.0	250	2	1600	70	44K			BDG		
7494	S+	TRI	TWN	T6	AFA	SCO	ST	H	12.6	150	330	2.0	1.1	250	1	1600	70	44K			BDG	
6AX7	S	TRI	TWN	T6	VA	SCO	SY	H	6.3	300	300	1.0	1.0	250	1	1600	70	59K	1.60	0.34	9A	
6EU7	*	TRI	TWN	T6	AFA	SCO	RC	H	6.3	300	330	1.2	2.5	250	1	1600	70	62K	1.60	0.46	9A	
12AX7A	S	TRI	TWN	T6	VA	SCO	RC	H	12.6	150	330	1.2	2.5	250	1	1600	100	62K	1.60	0.20	9LS	
20E77	S	TRI	TWN	T6	AFA	RC	H	20.0	100	330	1.2	2.5	250	1	1600	100	62K	1.70	0.40	9A		
6681	S	TRI	TWN	T6	VA	SCO	GE	H	12.6	150	330	1.1	2.5	250	1	1600	100	62K	1.60	0.46	9A	
7025	S	TRI	TWN	T6	VA	SCO	RC	H	12.6	150	300	1.0	2.5	250	1	1600	100	62K	1.60	0.46	9A	
7035	S	TRI	TWN	T6	GEN	SCO	RC	H	13.5	150	330	1.0	2.5	250	1	1600	100	61K	1.60	0.46	9AJ	
12B77	S	TRI	TWN	T6	VHF	SCO	SY	H	12.6	300	300	1.5	2.5	250	2	1200	100	32K	6.50	0.70	9A	

CHARACTERISTIC LISTING - CONTINUED

TYPE NUMBER	CONF	K1-D	TYPEF	RULB	USE	TUBE CHAR	REF	K	TYPICAL FILAMENT TYPE	V	MA	MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			EIA BASE NO.	
												V	MA	W	IB MA	IB V	GM UMHO	RP	
TRIODE DUAL DISSIMILAR																			
6CY7	TRI	DIS	T6	VDA	RCD	GE	SY	H	6.3	750	350	120	5.5	150	30	5400	5	920	9EF
11CY7	TRI	DIS	T6	VDA	RCD	SY	H	11.0	450	350	120	5.5	150	30	5400	5	920	9FF	
6G7	S	TRI	DIS	T9	VDA	HIP	GE	H	0.3	1050	550	50	10.0	175	44	6400	5	780	880
6EA7	S	TRI	DIS	T9	VDA	RCD	GE	H	6.3	1050	550	50	10.0	175	48	6500	5	770	880
6EM7	S	TRI	DIS	T9	VDA	RCD	SY	H	6.3	900	330	175	10.0	150	50	7200	5	750	880
6GF7A	TRI	DIS	T9	VDA	RCD	RC	H	6.3	985	330	50	11.0	150	50	7200	5	750	96D	
10EM7	TRI	DIS	T9	VDA	RCD	RC	H	9.7	600	330	175	10.0	150	50	7200	5	750	89D	
10FR7	S	TRI	DIS	T9	VDA	RCD	SY	H	9.7	600	330	175	10.0	150	50	7200	5	750	9HF
10GF7A	TRI	DIS	T9	VDA	RCD	RC	H	9.7	600	330	50	11.0	150	50	7200	5	750	90D	
13EM7	TRI	DIS	T9	VDA	RCD	SY	H	13.0	450	330	175	10.0	150	50	7200	5	750	880	
13GF7A	TRI	DIS	T9	VDA	RCD	RC	H	13.0	450	330	50	11.0	150	50	7200	5	750	90D	
6FM7	TRI	DIS	T9	VDA	RCD	GE	SY	H	13.0	1050	550	50	10.0	175	40	6000	6	920	12EJ
13FM7	TRI	DIS	T9	VDA	RCD	SY	H	13.0	450	550	50	10.0	175	40	6000	6	920	880	
15EA7	TRI	DIS	T9	VDA	RCD	GE	H	14.8	450	550	50	10.0	175	40	6000	6	920	0.40	
15FM7	TRI	DIS	T9	VDA	RCD	GE	H	14.8	450	550	50	10.0	175	40	6000	6	920	12EJ	
6DE7	S	TRI	DIS	T6	VDA	RCD	SY	H	6.3	900	275	175	7.0	150	35	6500	6	9225	9HF
6DR7	S	TRI	DIS	T6	VDA	RCD	SY	H	6.3	900	275	175	7.0	150	35	6500	6	9225	1.20
6FY7	S	TRI	DIS	T9	VDA	RCD	SY	H	9.7	600	275	50	10.0	175	40	6000	6	9225	9HF
10DE7	S	TRI	DIS	T6	VDA	RCD	SY	H	9.7	600	275	175	7.0	150	35	6500	6	9225	1.00
10DR7	S	TRI	DIS	T6	VDA	RCD	SY	H	9.7	600	275	175	7.0	150	35	6500	6	9225	9HF
11FY7	TRI	DIS	T9	VDA	RCD	GE	H	11.0	600	275	50	7.0	150	35	6500	6	9225	1.20	
13DF7	S	TRI	DIS	T6	VDA	RCD	SY	H	13.0	450	275	175	7.0	150	35	6500	6	9225	9HF
13DR7	S	TRI	DIS	T6	VDA	RCD	SY	H	13.0	450	275	175	7.0	150	35	6500	6	9225	1.00
19DE7	S	TRI	DIS	T9	VDA	RCD	SY	H	19.4	300	275	175	7.0	150	35	6500	6	9225	9HF
6EN7	S	TRI	DIS	T9	VDA	RCD	SY	H	6.3	900	330	175	10.0	150	45	7500	6	8000	9HF
6FD7	S	TRI	DIS	T9	VDA	RCD	#PL	H	6.3	925	330	175	10.0	150	40	7500	6	8000	9HF
10EG7	S	TRI	DIS	T9	VDA	RCD	SY	H	9.7	600	330	50	10.0	150	45	7500	6	8000	880
10EW7	S	TRI	DIS	T9	VDA	RCD	SY	H	9.7	600	330	175	10.0	150	45	7500	6	8000	9HF
13FD7	S	TRI	DIS	T9	VDA	RCD	#PL	H	13.0	450	330	175	10.0	150	40	7500	6	8000	9HF
15EW7	S	TRI	DIS	T9	VDA	RCD	T0	H	14.8	450	330	175	10.0	150	45	7700	15	20000	9HF
15FY7	TRI	DIS	T9	VDA	RCD	GE	H	14.7	450	275	50	7.0	150	45	7500	6	8000	9HF	
19EW7	TRI	DIS	T9	VDA	RCD	TO	H	18.9	300	330	175	10.0	150	45	7500	6	8000	1.60	
2UEW7	S	TRI	DIS	T9	VDA	RCD	TO	H	20.5	300	330	175	10.0	150	45	7500	6	8000	1.20
6DN7	S	TRI	DIS	T9	VDA	RCD	GE	H	6.3	900	550	150	10.0	250	41	7700	15	20000	9HF
6FJ7	S	TRI	DIS	T9	VDA	RCD	GE	H	6.3	900	550	150	10.0	250	41	7700	15	20000	9HF
6CS7	TRI	DIS	T6	VDA	RCD	SY	H	6.3	600	500	105	6.5	250	19	4500	16	3450	9EF	
8CS7	TRI	DIS	T6	VDA	RCD	SY	H	8.4	450	500	105	6.5	250	19	4500	16	3450	9EF	
4HA7	TRI	DIS	T9	GEN	RCD	GE	H	4.2	600	330	20	2.8	250	10	2200	17	7700	1.2FQ	
5HA7	TRI	DIS	T9	OSC	RCD	GE	H	5.6	450	330	20	2.8	250	10	2200	17	7700	1.90	
9CS7	TRI	DIS	T6	OSC	RCD	SY	H	6.3	600	500	70	1.0	250	10	2200	17	7700	0.50	

CHARACTERISTIC LISTING - CONTINUED

CHARACTERISTIC LISTING * CONTINUED

TUBE TYPE NUMBER	CODE	KIND TYPE	BULB	USE CHAR	REG TYPE	K FILAMENT	TUBE REG TYPE	MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			CAPACITANCE PICOFARADS IN	EIA BASE NO.					
								V	MA	W	EA	IB	GM							
TRIODE DUAL DISSIMILAR																				
-CONTINUED-																				
8C57	TRI	DIS	T6	V00	RC0	SY	H	8.4	450	500	70	1.2	250	10	2200	17	7700	1.80	0.50	
12D47	TRI	DIS	T6	VA	RC0	SY	H	12.6	150	330	22	3.3	250	10	2200	17	7700	1.70	0.40	
7P47	S	TRI	DIS	T6	CON	RC0	SY	H	12.6	150	330	22	3.0	250	12	2200	17	7700	1.80	0.33
6DE7	S	TRI	DIS	T6	VDD	RC0	SY	H	6.3	900	330	77	1.5	250	6	2000	18	8750	2.20	0.52
10DE7	S	TRI	DIS	T6	VON	RC0	SY	H	9.7	600	330	77	1.5	250	6	2000	18	8750	2.20	0.52
10EG7	S	TRI	DIS	T9	VDD	RC0	SY	H	9.7	600	330	22	1.5	250	6	2000	18	8750	2.20	0.60
10Ew7	S	TRI	DIS	T9	V00	RC0	SY	H	9.7	600	330	77	1.5	250	6	2000	18	8750	2.20	0.40
13DF7	S	TRI	DIS	T6	VDD	RC0	SY	H	13.0	450	330	77	1.5	250	6	2000	18	8750	2.20	0.52
15EW7	S	TRI	DIS	T9	V00	RC0	TO	H	14.8	450	330	77	1.5	250	6	2000	18	8750	2.20	0.40
19Df7	S	TRI	DIS	T6	VDD	RC0	SY	H	19.4	300	330	77	1.5	250	6	2000	18	8750	2.20	0.52
19Ew7	S	TRI	DIS	T9	VDD	RC0	TO	H	18.9	300	330	77	1.5	250	6	2000	18	8750	2.20	0.40
20Ek7	S	TRI	DIS	T9	VDD	RC0	TO	H	20.5	300	330	77	1.5	250	6	2000	18	8750	2.20	0.40
6Ew7	S	TRI	DIS	T9	VDD	RC0	SY	H	6.3	900	330	77	1.5	250	6	2000	18	8750	2.20	0.40
HCw7	S	TRI	DIS	T6	VDA	RC0	RC	H	6.3	600	500	70	5.5	250	20	4400	18	4100	3.50	0.40
ECw7	S	TRI	DIS	T6	VDA	RC0	GE	H	8.4	450	500	70	5.5	250	20	4400	18	4100	3.50	0.40
6EA7	S	TRI	DIS	T9	VDD	SC0	GE	H	6.3	1050	350	1.0	250	2	1900	65	34K	2.20	0.60	
6CM7	TRI	DIS	T9	VDD	SC0	RC	RC	H	6.3	600	500	70	1.2	200	5	2000	21	10K	2.20	0.50
HCw7	S	TRI	DIS	T6	VDD	SC0	GE	H	8.4	450	500	70	1.2	200	5	2000	21	10K	2.20	0.50
6DN7	S	TRI	DIS	T9	VDD	RC0	GE	H	6.3	900	350	1.0	250	8	2500	22	9000	2.20	0.70	
6FJ7	S	TRI	DIS	T9	VDD	RC0	GE	H	6.3	900	350	1.0	250	8	2500	22	9000	2.20	0.48	
4HC7	TRI	DIS	T9	VDD	SC0	GE	H	6.3	1050	350	1.0	250	2	1900	65	34K	2.20	0.60		
5HC7	TRI	DIS	T6	VDD	SC0	TS	H	6.3	600	500	70	1.2	200	5	2000	21	10K	2.20	0.50	
3Fw7	TRI	DIS	T3	MIX	SC0	TO	H	3.5	600	150	20	1.0	250	8	2500	22	9000	2.20	0.70	
6Fw7	TRI	DIS	T3	MIX	SC0	TD	H	6.3	300	150	20	1.0	250	8	2500	22	9000	2.20	0.80	
3Fw7	TRI	DIS	T9	VDD	SC0	TS	H	3.5	600	150	20	1.0	250	8	2500	22	9000	2.20	0.80	
4HC7	TRI	DIS	T9	VDD	SC0	TS	H	4.2	600	330	3.0	150	1.8	4400	23	5200	2.00	0.70		
5HC7	TRI	DIS	T9	VDD	SC0	TS	H	4.6	450	330	3.0	150	1.8	4400	23	5200	2.00	0.70		
13Fw7	TRI	DIS	T3	MIX	SC0	TO	H	3.5	600	150	20	1.0	250	8	2500	22	9000	2.20	0.80	
6Fw7	TRI	DIS	T3	MIX	SC0	TD	H	6.3	300	150	20	1.0	250	8	2500	22	9000	2.20	0.80	
3Fw7	TRI	DIS	T3	OSC	SC0	TS	H	3.5	600	150	20	1.0	250	8	2500	22	9000	2.20	0.80	
6Fw7	TRI	DIS	T9	VDD	SC0	RC	TO	H	6.3	300	150	20	1.0	250	8	2500	22	9000	2.20	0.80
6FJ7	TRI	DIS	T3	OSC	SC0	SY	H	6.3	400	165	22	1.0	200	5	2000	21	10K	2.20	0.50	
6FJ7	TRI	DIS	T6	VDD	SC0	SY	H	6.3	400	165	22	1.0	200	5	2000	21	10K	2.20	0.50	
6FJ7	TRI	DIS	T9	VDD	SC0	SY	H	6.3	400	165	22	1.0	200	5	2000	21	10K	2.20	0.50	
6FJ7	TRI	DIS	T3	OSC	SC0	SY	H	6.3	400	165	22	1.0	200	5	2000	21	10K	2.20	0.50	
6FJ7	TRI	DIS	T9	VDD	SC0	SY	H	6.3	400	165	22	1.0	200	5	2000	21	10K	2.20	0.50	
6GF7A	TRI	DIS	T9	VDD	SC0	RC	H	6.3	985	330	22	1.5	250	1	1600	64	40K	2.40	0.26	
10GF7A	TRI	DIS	T9	VDD	SC0	RC	H	9.7	600	330	22	1.5	250	1	1600	64	40K	2.40	0.26	
13F07	S	TRI	DIS	T9	VDD	SC0	*PL	H	13.0	450	330	70	1.5	250	1	1600	64	40K	2.20	0.40
13GF7A	S	TRI	DIS	T9	VDD	SC0	RC	H	13.0	450	330	70	1.5	250	1	1600	64	40K	2.40	0.26
13F07	S	TRI	DIS	T9	VDD	SC0	GE	H	16.8	165	22	1.0	250	1	1600	64	40K	2.20	0.40	
13GF7A	S	TRI	DIS	T9	VDD	SC0	*PL	H	6.3	925	330	70	1.5	250	1	1600	64	40K	2.20	0.40
6FJ7	TRI	DIS	T9	VDD	SC0	GE	H	6.3	1050	330	20	1.0	250	1	1600	64	40K	2.20	0.40	
11Fy7	TRI	DIS	T9	VDD	SC0	GE	H	11.0	600	330	20	1.0	250	1	1600	65	40K	2.20	0.40	
15Fy7	TRI	DIS	T9	VDD	SC0	GE	H	14.7	450	330	20	1.0	250	1	1600	65	40K	2.20	0.40	
6Fw7	TRI	DIS	T9	VDD	SC0	GE	H	6.3	1050	350	1.0	250	2	2200	66	30K	2.40	0.40		
6GL7	S	TRI	DIS	T9	VDD	SC0	GE	H	6.3	1050	350	1.0	250	2	2200	66	30K	2.20	0.60	
13Fw7	S	TRI	DIS	T9	VDD	SC0	SY	H	13.0	450	350	1.0	250	2	2200	66	30K	2.20	0.60	

CHARACTERISTIC LISTING - CONTINUED

TRIODE DUAL
DISSIMILAR
-CONTINUED-

TUBE TYPE NUMBER	CONE	KIND	TYPE	QUA.H	USF	TURE CHAR	REFG TYPE	K TYPE	TYPICAL FILAMENT			MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			CAPACITANCE PICOFARADS IN OUT	EIA BASE NO.	
									V	MA	W	V	MA	W	IR MA	GM IMHO	MU	RP OHMS	2.200	66
15FA7	TRI	DIS	T9	VDD	SCO	GE	H	14.8	450	350	1.0	250	2	2200	66	30K	2.20	0.60	8AD	
15FM7	TRI	DIS	T9	VDD	SC0	GE	H	14.8	450	350	1.0	250	2	2200	66	30K	2.20	0.60	12FJ	
6CY7	TRI	DIS	T6	VDD	SC0	GE	H	6.3	750	350	1.0	250	1	1300	68	52K	1.50	0.30	9EF	
11CY7	TRI	DIS	T6	VDD	SC0	GE	H	11.0	450	350	1.0	250	1	1300	68	52K	1.50	0.30	9EF	
6DU7	S	TRI	T6	VDD	SC0	SY	H	6.3	900	350	70	1.0	250	1	1600	68	40K	2.20	0.34	9HF
6EV7	S	TRI	T9	VDD	SC0	SY	H	6.3	900	330	77	1.5	250	1	1600	68	40K	2.20	0.60	8BD
16D7	S	TRI	T6	VDD	SC0	SY	H	9.7	600	330	70	1.0	250	1	1600	68	40K	2.20	0.34	9HF
10E7	S	TRI	T9	VDD	SC0	RC	H	9.7	600	330	77	1.5	250	1	1600	68	40K	2.20	0.60	8BD
10EF7	S	TRI	T9	VDD	SC0	SY	H	9.7	600	330	77	1.5	250	1	1600	68	40K	2.40	0.30	9HF
13D7	S	TRI	T6	VDD	SC0	SY	H	13.0	450	330	70	1.0	250	1	1600	68	40K	2.20	0.34	9HF
13E7	S	TRI	T9	VDD	SC0	SY	H	13.0	450	330	77	1.5	250	1	1600	68	40K	2.20	0.60	8BD
6JK8	TRI	DIS	T6	HF	SC0	SY	H	6.3	400	200	22	2.0	135	10	13000	70	5400	3.00	1.00	9AJ
AJK3	TRI	DIS	T9	VDD	RFA	SC0	SY	8.4	300	200	22	2.0	135	10	13000	70	5400	3.00	1.00	9AJ
17JK8	TRI	DIS	T6	RFA	SC0	SY	H	16.8	150	200	22	2.0	135	10	13000	70	5400	3.00	1.00	9AJ
4HA7	TRI	DIS	T9	GEN	SC0	GE	H	4.2	600	330	0.3	250	1	1600	100	62K	1.70	1.80	12FQ	
5HA7	TRI	DIS	T9	SC0	GE	H	5.6	450	330	0.3	250	1	1600	100	62K	1.70	1.80	12FQ		
12D7	S	TRI	T6	VA	SC0	SY	H	12.6	150	330	1.2	250	1	1600	100	62K	1.60	0.44	9A	
7247	S	TRI	T6	AF	SC0	GE	H	12.6	150	330	1.2	250	1	1600	100	62K	1.60	0.37	9A	
4,27	TRI	DIS	T9	GA	SC0	#TS	H	4.2	600	330	1.2	150	1	1900	100	53K	1.90	0.56	12FR	
5HC7	TRI	DIS	T9	GA	SC0	#TS	H	5.6	450	330	1.2	150	1	1900	100	53K	1.90	0.56	12FR	
2320	TDI	6FA	T9	RCD	GE	H	23.0	450	330	7.0	150	5	3900	45	11K	3.00	0.40	12FT		
TRIODE TRIPLEX																				
6G18	TRI	T6	GEN	SC0	GE	H	6.3	450	330	2.0	125	4	4500	14K	5.00	1.60	9WB			
6A11	S	TRI	T9	GEN	RCD	RC	H	6.3	600	330	2.0	250	10	2200	17	7700	1.90	1.28Y		
6M18	S	TRI	T9	CH	RC	RC	H	6.3	900	330	2.5	3.0	12	3100	17	5500	3.50	9RQ		
12N18	TRI	T9	CH	RC	SY	RC	H	12.6	450	330	3.0	250	12	3100	17	5500	3.60	0.48	9RQ	
6U10	TRI	T9	GEN	SRC	GE	H	6.3	600	330	2.0	200	10	2300	18	7700	1.70	12FE			
6Q11	S	TRI	T9	CON	SRC	#TS	H	9.3	600	330	3.0	150	22	2500	18	7000	1.90	1.70	12BY	
6D10	TRI	T9	GEN	SC0	SY	H	6.3	450	330	2.0	125	4	4200	57	14K	2.20	0.50	12RQ		
6F18	S	TRI	T6	GEN	SRC	GE	H	6.3	450	330	2.0	125	4	4200	57	14K	2.40	0.40	9KA	
19E78	TRI	T6	GEN	SRC	GE	H	18.9	150	330	2.0	125	4	4200	57	14K	2.40	0.40	9KA		
6J1	TRI	T6	VHF	SC0	SY	H	6.3	330	2.0	125	4	5200	57	11K	1.30	1.0G	1.0G			

CHARACTERISTIC LISTING - CONTINUED

TUBE TYPE NUMBER	Cathode	K1-D	TYPE	CHAR	TUBE CHAR	RFG	K	TYPICAL FILAMENT TYPE	V	MA	MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			ELA BASE NO.		
											V	MA	W	E _B	V	IR MA	G _M	R _P OHMS	
TRIODES																			
6AC10	TRI	T9	TRI	GEN	TRI	SC0	GE	#TS	6.3	600	330	2.0	200	9	5800	62	11K	2.50	
6H11	TRI	T9	TRI	GEN	TRI	SC0	SY	GE	6.3	600	330	0.4	250	2	1600	70	45K	1.80	
6U10	TRI	T9	TRI	GEN	TRI	SC0	SY	GE	6.3	600	330	2.0	200	1	1600	98	61K	1.28Y	
6H11	TRI	T9	TRI	GEN	TRI	SC0	SY	GE	6.3	600	330	0.4	250	1	1600	100	62K	1.28Y	
6C10	TRI	T9	TRI	GEN	TRI	SC0	SY	GE	6.3	450	330	1.0	250	1	1600	100	62K	1.28Q	
6K11	S	TRI	TRI	GEN	TRI	SC0	GE	#TS	6.3	600	330	2.0	0.3	250	1	1600	100	62K	1.28Y
6D11	S	TRI	TRI	GEN	TRI	SC0	GA	SCO	6.3	600	330	2.0	250	1	1600	100	62K	1.28Y	
6D10	S	TRI	DWD	T9	DWD	OSC	GE	SCO	6.3	600	330	2.0	3.0	250	10	2500	18	7200	1.28F
8B10	S	TRI	DWD	T9	DWD	OSC	GE	SCO	8.5	450	330	2.0	3.0	250	10	2500	18	7200	1.28F
6AG11	S	TRI	DWD	T9	DWD	HF	SCO	GE	6.3	750	330	2.0	125	8	7800	66	8500	3.80	
3NAG11	S	TRI	DWD	T9	DWD	HF	SCO	GE	30.0	150	330	2.0	125	8	7800	66	8500	3.80	
6AY11	S	TRI	DWD	T9	AFA	SCO	GE	GE	6.3	690	330	1.0	250	1	1900	100	53K	2.00	
6B11	S	TRI	PND	T9	PND	RA	GE	SCO	7.9	600	330	1.8	125	14	8600	43	5000	3.10	
6BH11	S	TRI	PND	T9	PND	T9	GEN	GE	6.3	800	330	2.5	125	14	8500	46	5400	1.80	
6M11	S	TRI	PND	T9	PND	T9	SCO	GE	6.3	750	330	2.2	7	7000	70	10K	3.40	0.80	
TRIODES WITH DIODE																			
6BF6	S	TRI	DWD	T5	AFA	RC0	RC	#TS	6.3	300	300	2.5	250	10	1900	16	8500	1.80	
12BF6	S	TRI	DWD	T5	VA	RC0	RC	#TS	12.6	150	300	2.5	250	10	1900	16	8500	1.80	
26C6	S	TRI	DWD	T5	VA	SCO	RC	#RA	26.5	70	250	2.5	250	10	1900	16	8500	1.80	
12AF6A	S	TRI	DWD	T5	AFA	SCO	RC	#RA	12.6	150	300	2.0	13	1	1300	17	13K	1.40	
6DJ8	S	TRI	DWD	T6	OSC	RC0	SY	GE	6.3	600	330	2.2	4.0	250	8	2800	20	7150	2.80
123R7A	S	TRI	DWD	T6	GEN	SCO	#PL	12.6	225	300	2.5	250	10	4000	60	11K	2.60		
8447	*	TRI	DWD	T6	GEN	SRC	SCO	#TS	13.5	190	300	2.5	250	10	5500	60	10K	2.80	
6AO6	S	TRI	DWD	T5	VA	SCO	RC	GE	6.3	150	300	0.5	250	1	1200	70	58K	1.70	
6AT6	S	TRI	DWD	T5	VA	SCO	RC	GE	6.3	300	300	0.5	250	1	1200	70	58K	2.20	
6CN7	S	TRI	DWD	T6	VA	SCO	GE	GE	6.3	300	300	1.0	250	1	1200	70	58K	0.80	
6FMB	TRI	DWD	T6	AFA	SCO	GE	GE	#TS	6.3	450	330	1.1	250	1	1200	70	58K	1.50	
6Cn7	S	TRI	DWD	T5	VA	SCO	GE	GE	8.4	225	300	1.0	250	1	1200	70	58K	2.20	
12AT6A	S	TRI	DWD	T5	VA	SCO	SY	GE	12.6	150	300	0.5	250	1	1200	70	58K	0.80	
6AR7G	S	TRI	DWD	T9	OSC	SCO	SY	GE	6.3	300	300	1.0	250	2	2500	70	44K	3.20	
6BH8	S	TRI	DWD	T6	VHF	SCO	SY	GE	6.3	600	330	1.7	250	2	2500	70	28K	3.60	
6BN8	S	TRI	DWD	T6	VHF	SCO	SY	GE	8.4	450	300	1.5	250	2	2500	70	28K	3.60	
14C18	S	TRI	DWD	T6	VA	SCO	GE	GE	14.0	150	330	1.1	250	2	7000	72	72K	1.60	
7724	S	TRI	DWD	T6	VA	SCO	GE	GE	14.0	150	330	1.1	250	2	2200	90	41K	0.24	
14JG8	S	TRI	DWD	T6	VA	SCO	GE	GE	14.0	150	330	1.1	250	2	1200	100	85K	0.22	
6SD7GT	S	TRI	DWD	T9	VA	SCO	#HY	GE	6.3	300	300	0.5	250	1	1200	100	85K	0.40	

CHARACTERISTIC LISTING • CONTINUED

TUBE TYPE- NUMBER	CODE	KIND TYPE	BULB	USE	TUBE CHAR	REG TYPE	K	TYPICAL FILAMENT CHARACTERISTICS			MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			CAPACITANCE			
								V	MA	V	MA	V	MA	ER	IB	GM	MU	RP	PICOFARADS IN OUT	OHMS
TRIODE WITH DIODE -CONTINUED-																				
12SD7GT	S	TRI	DWD	T9	VA	SCO	*HY	H	12.6	150	300	0.5	250	1	1200	100	85K	4.20	3.40	80
18FY6A	TRI	DWD	T5	PFA	SRC	SY	H	18.0	100	150	0.5	100	6000U	1300	100	77K	2.40	0.22	78T	
3AV6	TRI	DWD	T5	VA	SCO	SY	H	3.2	600	300	0.5	250	1	1600	100	62K	2.20	0.80	78T	
4AV6	TRI	DWD	T5	VA	SCO	RC	H	4.2	450	330	0.6	250	1	1600	100	62K	2.20	0.80	78T	
6AV6	S	TRI	DWD	T5	VA	SCO	*NU	H	6.3	300	330	0.6	250	1	1600	100	62K	2.20	0.80	78T
12AV6A	S	TRI	DWD	T5	VA	SCO	SY	H	12.6	150	330	0.6	250	1	1600	100	62K	2.20	0.80	78T
5T8	TRI	TRD	T6	AFA	SCO	GE	H	4.7	600	300	1.0	250	1	1200	70	58K	1.60	1.10	9E	
6TRA	S	TRI	TRD	T6	AFA	SCO	GE	H	6.3	450	300	1.0	250	1	1200	70	58K	1.60	1.10	9E
19TRA	S	TRI	TRD	T6	AFA	SCO	SY	H	18.9	150	300	1.0	250	1	1200	70	58K	1.60	1.10	9E
TRIODE WITH TETRODE																				
12AL8	TRI	TET	T6	NET	SCO	*TS	H	12.6	550	30	20	1.3	500U	1000	13	13K	1.80	0.40	9GS	
12DY8	TRI	TET	T6	GEN	SCO	SY	H	12.6	350	16	1.7	100	1	2000	20	10K	2.00	0.38	9JD	
6FH8	TRI	TET	T6	OSC	SCO	RC	H	6.3	450	275	2.5	100	8	5400	40	7400	1.40	2.60	9KP	
5CL8A	S	TRI	TET	T6	OSC	SRC	GE	H	4.7	600	330	2.7	125	14	8000	40	5000	2.80	1.50	9FX
5CQ8	S	TRI	TET	T6	OSC	SCO	RC	H	4.7	600	300	2.7	125	15	8000	40	5000	2.80	1.50	9GE
6CL8A	S	TRI	TET	T6	OSC	SRC	GE	H	6.3	450	330	2.5	125	14	8000	40	5000	2.80	1.50	9FX
6C38	S	TRI	TET	T6	OSC	SCO	RC	H	6.3	450	300	2.7	125	15	8000	40	5000	2.70	1.20	9GE
9CL8	TRI	TET	T6	SY	SCO	SY	H	9.5	300	300	2.7	125	15	8000	40	5000	2.70	0.40	9FX	
19CL8R	TRI	TET	T6	OSC	SRC	SY	H	18.9	150	330	2.5	125	14	8000	40	5000	2.80	1.50	9FX	
6JAB	TRI	TET	T6	GPN	SCO	WH	H	6.3	750	300	1.0	200	4	4000	70	17K	2.50	0.40	9OF	
10JA8	TRI	TET	T6	GPN	SCO	WH	H	10.5	450	300	1.0	200	4	4000	70	17K	2.50	0.40	9OF	
TRIODE WITH BEAM TYPE																				
16GK3	TRI	BEA	T6	OSC	AE	H	16.0	300	250	20	1.0	200	10	3400	18	9JE	2.20	0.70	12D2	
17J78	TRI	BEA	19	VDD	SRC	GE	H	16.8	450	250	1.0	150	3	1900	22	11K	4.00	4.20	9DX	
16J78	TRI	BFA	T6	CON	SRC	GE	H	10.5	450	350	2.0	125	15	10400	46	4400	3.20	3.20	9OT	
6LR8	TRI	BEA	T12	OSC	SRC	SY	H	6.3	175	400	30	2.5	250	2	3600	58	16K	6.50	1.60	9OT
21L98	TRI	BEA	T12	OSC	SRC	SY	H	21.0	450	400	30	2.5	250	2	3600	58	16K	6.50	1.60	9OT

CHARACTERISTIC LISTING - CONTINUED

CHARACTERISTIC LISTING - CONTINUED

TUBE TYPE NUMBER	CONF	KIND	TYPE	RULB	USF	CHAR	TUPE REG	K	TYPICAL FILAMENT V	MA	MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			CAPACITANCE PICOFARADS IN	CAPACITANCE OHMS OUT	FIA BASF NO.				
											V	MA	%	EATR V	MA	%	R _P OHMS						
TRIODE WITH BEAM TYPE - CONTINUED																							
6KY8	S	TRI	BFA	T9	VDD	SC0	RC	H	6.3	1100	330	-	22	1.5	250	1	1600	64	40K	15.00	7.00	90T	
15KY8		TRI	BFA	T9	VDD	SC0	RC	H	15.0	450	330	-	22	1.5	250	1	1600	64	40K	15.00	7.00	90T	
26R9		TRI	BFA	T9	VA	SC0	GE	H	14.0	150	150	-	1.0	100	6000	100	1800	100	60K	3.40	0.60	12E	
TRIODE WITH PENTODE																							
17L08		TRI	PND	T9	VDD	OSC	SRC	SY	16.8	450	250	70	1.0	125	14	8500	5400	20	2.00	0.40	90T		
12JN8		TRI	PND	T6	OSC	SRC	GE	H	12.6	225	300	70	1.5	250	2	2100	8	45K	3.20	2.20	9FA		
6T9		TRI	PND	T9	AFA	SRC	GE	H	6.3	930	300	70	2.4	215	9	2100	17	8100	3.40	1.10	12FM		
7199	S	TRI	PND	T6	HF	SRC	PC	H	6.3	450	330	70	2.4	250	2200	17	7700	2.30	0.30	9JAE			
6JB8		TRI	PND	T6	AFA	RC0	RA	H	6.3	600	330	70	2.4	250	2200	17	7700						
6BH8	S	TRI	PND	T6	GEN	SRC	GE	H	6.3	600	300	70	2.5	150	10	3300	17	5150	2.60	0.38	9DX		
8BH8	S	TRI	PND	T6	GEN	SRC	GE	H	8.4	450	300	70	2.5	150	10	3300	17	5150	2.60	0.38	9DX		
5U9		TRI	PND	T6	GEN	SRC	AM	H	5.9	450	250	18	100	14	5000	17	5500	2.50	3.00	10K			
6U9		TRI	PND	T6	GEN	SRC	AM	H	6.3	410	250	18	100	14	5000	17	5500	2.50	3.00	10K			
8U9		TRI	PND	T6	GEN	SRC	AM	H	8.0	300	250	18	100	14	5000	17	5500	2.50	3.00	10K			
4FS7		TRI	PND	T5	RFA	SC0	MU	H	4.6	600	125	15	1.5	150	10	3300	17	5150	2.60	0.38	9DX		
4GS7		TRI	PND	T6	OSC	SC0	MU	H	4.0	600	125	15	1.5	150	10	3300	17	5150	2.60	0.38	9DX		
5GS7		TRI	PND	T6	OSC	SC0	MU	H	5.4	450	125	15	1.5	150	10	3300	17	5500	2.50	3.00	10K		
5HG8		TRI	PND	T6	VHF	SC0	SY	H	5.3	340	125	15	1.7	150	10	3300	17	5500	2.50	3.00	10K		
6GV7		TRI	PND	T6	OSC	SC0	AE	H	6.3	350	250	15	2.0	100	14	5500	17	5500	2.50	3.00	10K		
7GS7		TRI	PND	T6	OSC	SC0	MU	H	7.6	300	125	15	1.5	100	14	5500	17	5500	2.40	1.10	9MP		
7Gv7		TRI	PND	T6	OSC	SC0	AE	H	7.4	300	250	15	2.0	100	14	5500	17	5500	2.40	1.10	9GF		
4HG8		TRI	PND	T6	OSC	SC0	TO	H	4.5	600	125	15	1.5	100	14	5500	17	5500	2.40	1.10	9GF		
6HG8		TRI	PND	T6	OSC	SC0	MU	H	6.3	450	125	15	1.5	100	14	5500	17	5500	2.40	1.10	9MP		
7HG8	S	TRI	PND	T6	OSC	SC0	MU	H	7.2	300	125	15	1.5	100	14	5500	17	5500	2.40	1.10	9KN		
8HG8		TRI	PND	T6	OSC	SC0	MU	H	8.0	300	125	15	1.5	100	14	5500	17	5500	2.40	1.10	9MP		
7687	S+	TRI	PND	T6	GEN	RC0	SY	H	6.3	500	330	15	2.0	100	14	5500	17	5500	2.40	1.10	9AE		
6BA8A	S	TRI	PND	T6	GEN	RC0	SY	H	6.3	600	300	2.0	2.4	100	14	2500	8	2700	18	6700	2.50	0.40	9DX
ABA8A	S	TRI	PND	T6	GEN	RC0	SY	H	6.4	450	300	2.0	2.0	100	14	2700	8	2700	18	6700	2.50	0.40	9AE
7643	S+	TRI	PND	T6	OSC	SC0	AM	H	6.3	330	275	18	1.8	100	14	5000	18	5500	2.40	1.10	9AE		
5AN8	S	TRI	PND	T6	GEN	RC0	SY	H	4.7	600	300	2.6	2.0	100	13	3300	19	5750	2.00	0.27	9DA		
5AV8	S	TRI	PND	T6	GEN	RC0	SY	H	4.7	600	300	2.5	2.0	100	13	3300	19	5750	2.00	0.27	9DZ		
53R	S	TRI	PND	T6	GEN	RC0	SY	H	4.7	600	300	2.5	2.0	100	13	3300	19	5750	2.00	0.27	9EC		
6AN8A	S	TRI	PND	T6	GEN	RC0	RC	H	6.3	450	300	2.6	2.0	100	13	3300	19	5750	2.00	0.27	9DA		
6AZ8	S	TRI	PND	T6	OSC	RC0	RC	H	6.3	450	300	2.5	2.0	100	13	3300	19	5750	2.00	0.27	9ED		

CHARACTERISTIC LISTING - CONTINUED

TRIODE "ITH
PENTODE
-CONTINUED-

TUBE TYPE NUMBER	CODE	KIND TYPE	RULB	USF	TURE CHAR	REG TYPE	K FILAMENT	MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			CAPACITANCE			
								V	MA	W	ER V	IR MA	GM UMHO	MU DHMS	PICOFARADS IN OUT		
6CH8	S	TRI	PND	T6	GEN	RCD	RC	6.5	450	300	2.6	200	1.3	3300	19	5750	
6CU8	S	TRI	PND	T6	GEN	RCD	RC	6.3	450	300	2.6	200	1.3	3300	19	5750	
4BL8	S	TRI	PND	T6	CON	CON	RE	4.6	600	550	1.5	100	1.4	5000	20	2.50	
6BL8	S	TRI	PND	T6	CON	CON	TS	6.3	450	250	1.5	100	1.4	5000	20	2.50	
6LN8	S	TRI	PND	T6	CON	CON	AH	6.0	450	250	1.4	100	1.4	5000	20	2.50	
8AS	S	TRI	PND	T6	GEN	SC0	MT	8.4	300	250	1.5	100	1.4	5000	20	2.50	
9AP	S	TRI	PND	T6	GEN	SC0	RE	9.0	300	250	1.5	100	1.4	5000	20	2.50	
17A8	S	TRI	PND	T6	GEN	SC0	MT	16.8	150	250	1.4	100	1.4	5000	20	2.50	
4GJ7	S	TRI	PND	T6	OSC	AM	AH	4.1	600	140	22	1.8	100	1.5	9000	20	1.80
5CJ7	S	TRI	PND	T6	OSC	AM	AH	5.5	450	140	22	1.8	100	1.5	9000	20	1.80
6GJ7	S	TRI	PND	T6	OSC	AM	SY	8.2	300	140	22	1.8	100	1.5	9000	20	1.80
8GJ7	S	TRI	PND	T6	OSC	AM	SY	13.5	210	330	2.8	150	1.5	4500	21	4700	
7258	S	TRI	PND	T6	OSC	SRC	SRC	6.3	450	330	2.8	150	1.5	4500	21	4700	
8489	*	TRI	PND	T6	GEN	VDO	GE	6.3	1200	250	20	1.0	150	33	1900	22	11K
6J7B	S	TRI	PND	T9	VA	SY	H	10.2	450	330	2.0	125	1.3	5000	30	6000	
10LB8	S	TRI	PND	T9	VA	SY	H	6.3	725	330	2.0	125	1.3	5000	30	6000	
6LR8	S	TRI	PND	T6	VA	RCD	RA	6.3	750	330	2.0	150	1.0	4700	35	7500	
6JL8	S	TRI	PND	T6	VA	RCD	RA	8.0	600	330	2.0	150	1.0	4700	35	7500	
8JL8	S	TRI	PND	T9	GA	SRC	GE	6.3	820	330	1.1	150	6	4600	39	8500	
6AG9	S	TRI	PND	T9	GA	SRC	GE	6.3	820	330	1.1	150	6	4600	39	8500	
6CX8	S	TRI	PND	T6	GEN	SC0	GE	6.3	750	330	2.0	150	9	4600	40	8700	
8CX8	S	TRI	PND	T6	GEN	SC0	GE	8.0	600	330	2.0	150	9	4600	40	8700	
6AUBA	S	TRI	PND	T6	GEN	SC0	GE	6.3	600	300	2.5	150	9	4900	40	8200	
8AUBA	S	TRI	PND	T6	GEN	SC0	SY	8.4	450	300	2.5	150	9	4900	40	8200	
12AUB	S	TRI	PND	T6	GEN	SC0	SY	12.6	300	300	2.5	150	9	4900	40	8200	
12CT8	S	TRI	PND	T6	VHF	SC0	GE	12.6	300	300	2.5	150	9	4900	40	8200	
7060	S	TRI	PND	T6	VA	SC0	RC	13.5	280	300	2.5	150	9	4900	40	8200	
5AT8	S	TRI	PND	T6	OSC	SRC	RC	4.7	600	250	1.5	100	8	5800	40	6900	
5CGB	S	TRI	PND	T6	OSC	SRC	RC	4.7	600	250	1.5	100	8	5800	40	6900	
5X8	S	TRI	PND	T6	OSC	SRC	SY	4.7	600	250	1.5	100	8	5800	40	6900	
6AT8A	S	TRI	PND	T6	OSC	SRC	RC	6.3	450	250	1.5	100	8	5800	40	6900	
6CG8A	S	TRI	PND	T6	OSC	SRC	GE	6.3	450	250	1.5	100	8	5800	40	6900	
6X8A	S	TRI	PND	T6	OSC	SRC	GE	6.3	450	250	1.5	100	8	5800	40	6900	
9CG8A	S	TRI	PND	T6	OSC	SRC	TO	9.5	300	250	1.5	100	8	5800	40	6900	
6JC8	S	TRI	PND	T6	OSC	SRC	SY	6.3	450	275	1.7	125	12	6500	40	6000	
6H8	S	TRI	PND	T6	GEN	SY	H	6.3	600	330	2.5	125	13	7000	40	5000	
5KD8	S	TRI	PND	T6	OSC	SRC	SY	5.6	450	330	2.5	125	14	7500	40	5000	
6EH8	S	TRI	PND	T6	OSC	SRC	SY	6.3	450	300	2.5	125	14	7500	40	5000	
6KC8	S	TRI	PND	T6	OSC	SRC	SY	6.3	400	330	2.5	125	14	7500	40	5000	
1252	S	TRI	PND	T6	GEN	RCO	SY	6.3	450	330	2.5	125	14	7500	40	5000	

CONTINUED

CHARACTERISTIC LISTING - CONTINUED

CHARACTERISTIC LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND TYPE	PULB	USE CHAR	TUBE REG	K TYPE	FILAMENT TYPE	V MA	MAXIMUM PLATE CHARACTERISTICS	TYPICAL CHARACTERISTICS			CAPACITANCE PICOFARADS IN	EIA BASE NO.	
										E8 V	I8 MA	GM OHMS			
TRIODE WITH PENTODE -CONTINUED-															
4KE8	TRI	PND	T6	OSC	SRC	H	4.5	600	280	2.0	125	13	8000	40	
4LJ8	TRI	PND	T6	VDC	SRC	H	4.3	600	280	2.0	125	13	8000	40	
5FV8	S	TRI	PND	T6	OSC	SRC	4.7	600	330	2.0	125	14	8000	40	
5KE8	S+	TRI	PND	T6	OSC	SRC	5.6	450	280	2.0	125	13	8000	40	
5LJ8	TRI	PND	T6	OSC	SRC	SY	5.6	450	280	2.0	125	13	8000	40	
5MR8	TRI	PND	T6	RFA	SCO	SY	5.6	450	280	2.0	125	13	8000	40	
6KE8	S+	TRI	PND	T6	OSC	SRC	6.3	400	280	2.0	125	13	8000	40	
6LJ8	S	TRI	PND	T6	OSC	SRC	6.3	400	280	2.0	125	13	8000	40	
6M98	S	TRI	PND	T6	RFA	SRC	6.3	400	280	2.0	125	13	8000	40	
6HD7	TRI	PND	T6	OSC	SRC	6.3	450	275	2.0	1.5	100	14	8200	40	
6IJ7	TRI	PND	T6	OSC	SRC	WH	6.3	450	275	2.0	1.5	100	14	8200	40
4GX7	S	TRI	PND	T6	OSC	SRC	4.2	600	275	2.0	1.5	125	13	8500	40
5BR8A	S	TRI	PND	T6	OSC	*TS	4.7	600	300	2.7	150	18	8500	40	
5EA8	S	TRI	PND	T6	OSC	GE	4.7	600	330	3.0	150	18	8500	40	
5EI8	S	TRI	PND	T6	OSC	RA	4.7	600	330	3.0	150	18	8500	40	
5Gx7	TRI	PND	T6	OSC	SRC	WH	5.6	450	275	2.0	1.5	100	14	8500	40
5H67	S	TRI	PND	T6	OSC	SRC	4.7	600	330	2.5	150	18	8500	40	
5UR	S	TRI	PND	T6	OSC	SRC	4.7	600	300	2.7	150	18	8500	40	
6HR8A	S	TRI	PND	T6	OSC	SRC	6.3	450	300	2.7	150	18	8500	40	
6EA8	S	TRI	PND	T6	OSC	GE	6.3	450	330	3.0	150	18	8500	40	
6EU8	S	TRI	PND	T6	OSC	RA	6.3	450	330	3.0	150	18	8500	40	
6Gx7	S	TRI	PND	T6	OSC	SRC	6.3	450	330	3.0	150	18	8500	40	
6H37	S	TRI	PND	T6	OSC	SRC	6.3	400	275	2.0	1.5	125	13	8500	40
6H98	S	TRI	PND	T6	RFA	SRC	6.3	450	330	3.0	150	18	8500	40	
6U8	S	TRI	PND	T6	OSC	SRC	6.3	450	300	2.7	150	18	8500	40	
6EG8	S	TRI	PND	T6	OSC	RA	6.3	450	330	3.0	150	18	8500	40	
6UR8A	S	TRI	PND	T6	OSC	SRC	6.3	450	300	2.7	150	18	8500	40	
8Gx7	S	TRI	PND	T6	OSC	WH	7.7	300	275	2.0	1.5	125	13	8500	40
9EA8	S	TRI	PND	T6	OSC	SRC	18.9	300	330	3.0	150	18	8500	40	
19EA8A	S	TRI	PND	T6	OSC	SRC	18.9	150	330	3.0	150	18	8500	40	
658	S	TRI	PND	T6	OSC	GE	6.3	450	330	3.0	150	18	8500	40	
7059	S	TRI	PND	T6	OSC	RA	13.5	195	300	2.5	150	18	8500	40	
8445	S+	TRI	PND	T6	GEN	SRC	6.8	440	330	2.0	100	12	7000	43	
8446	+*	TRI	PND	T6	GEN	SRC	6.8	440	330	2.0	100	12	7000	43	
5FG7	S	TRI	PND	T6	OSC	GE	4.7	600	330	2.5	125	13	5700	43	
6FG7	S	TRI	PND	T6	OSC	RA	4.7	600	330	2.5	125	13	5700	43	
6FV8A	S	TRI	PND	T6	VDO	SRC	6.3	450	330	7.0	2.0	125	12	8000	45
5GH8	S	TRI	PND	T6	V.A	SRC	4.7	600	330	2.5	125	14	8500	46	
5K78	S	TRI	PND	T6	V.A	SRC	4.7	600	330	2.5	125	14	8500	46	
6GRHA	S	TRI	PND	T6	V.A	SRC	6.3	450	330	2.5	125	14	8500	46	
6J18	S	TRI	PND	T6	OSC	GE	6.3	450	330	2.5	125	14	8500	46	
6K78	S	TRI	PND	T6	OSC	GE	6.3	450	330	2.5	125	14	8500	46	

CHARACTERISTIC LISTING - CONTINUED

TRIODE WITH
PENTODE
-CONTINUED-

TUBE TYPE; NUMBER	CONE	KIND	TYPEF	RULB	USF	TUBE CHAR	RGF	K	TYPICAL FILAMENT TYPEF	MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			EIA BASE NO.						
										V	MA	W	E	V	IR MA	Gm UMHO	MU RP OHMS					
6L118	S	TRI	PND	T6	VA	SRC	RC	H	6.3	450	125	330	2.5	125	1.4	8500	46	5400	3.20	1.90	9AE	
9K28A	S	TRI	PND	T6	VA	SRC	MT	H	9.4	300	330	2.5	125	1.4	8500	46	5400	3.00	1.40	9AE		
9K28	S	TRI	PND	T6	OSC	SRC	GE	H	9.4	300	330	2.5	125	1.4	8500	46	5400	3.20	0.90	9FZ		
19K58	S	TRI	PND	T6	OSC	SRC	GE	H	18.9	150	300	2.5	125	1.4	8500	46	5400	3.20	2.20	9FA		
19K58	S	TRI	PND	T6	OSC	SRC	GE	H	18.9	150	300	2.5	125	1.4	8500	46	5400	3.20	2.20	9LY		
8102	S	TRI	PND	T6	GEN	SCO	GE	H	13.5	230	330	2.5	125	1.4	8500	46	5400	3.60	2.00	9PJ		
6K28A	S	TRI	PND	T6	GEN	SRC	GE	H	6.3	750	330	2.0	125	1.5	10400	46	4400	4.20	3.00	9DX		
6L108	S	TRI	PND	T6	VA	SRC	RC	H	6.3	775	300	2.0	125	1.5	10400	46	4400	4.20	2.40	9DX		
10K58	S	TRI	PND	T6	GEN	SRC	GE	H	10.5	450	330	2.0	125	1.5	10400	46	4400	4.40	2.40	9DX		
11L18	S	TRI	PND	T6	VA	SRC	RC	H	10.9	450	300	2.0	125	1.5	10400	46	4400	4.20	2.40	9DX		
6GVB	S	TRI	PND	T6	VA	AM	AM	H	6.5	900	250	1.5	100	5	6500	50	7600	5.60	2.40	9LY		
9CVB	S	TRI	PND	T6	VA	AM	SE	H	9.5	600	250	0.5	100	5	6500	50	7600	5.12K	2.40	9LY		
5L118	S	TRI	PND	T6	GEN	SRC	SE	H	5.2	600	300	2.0	250	7	4400	53	12K	2.40	1.40	9EG		
110CA	S	TRI	PND	T6	GEN	SRC	AM	H	10.5	300	300	3.5	2.0	250	7	4400	53	12K	2.40	0.20	9DA	
5X9	S	TRI	PND	T6	GEN	SRC	AM	H	5.9	450	275	2.0	1.8	170	8	4800	55	2.50	3.00	1.0K	9K	
6X9	S	TRI	PND	T6	GEN	SCO	GE	H	6.3	410	275	1.8	170	8	4800	55	2.50	3.00	1.0K	9K		
6X9	S	TRI	PND	T6	GEN	SCO	SY	H	8.0	310	275	1.8	170	8	4800	55	2.50	3.00	1.0K	9K		
6L118	S	TRI	PND	T6	GEN	SCO	SY	H	6.3	1500	400	3.0	2.5	250	2	3600	58	16K	2.50	1.0K	12DZ	
21L118	S	TRI	PND	T6	GEN	VDO	SCO	SY	21.0	450	400	3.0	2.5	250	2	3600	58	16K	2.50	2.00	12DZ	
6J18	S	TRI	PND	T6	PA	SCO	RE	H	6.3	720	300	1.2	200	1.0	200	3	4000	65	7.00	7.00	2.00	9HX
100X8	S	TRI	PND	T6	PA	SCO	AM	H	10.2	450	300	1.2	1.0	200	3	4000	65	2.50	3.00	1.0K	9HX	
19H18	S	TRI	PND	T6	IFA	SCO	GE	H	18.9	150	330	0.6	100	1.0	100	4	1300	70	54K	1.70	0.38	9FA
6B118	S	TRI	PND	T6	OSC	SCO	RE	H	6.3	780	300	1.5	1.0	100	4	2500	70	2500	2.70	4.00	9EX	
11X18	S	TRI	PND	T6	VDO	SCO	MT	H	10.7	450	450	1.5	1.0	100	4	2500	70	2500	2.70	4.30	9EX	
6J18	S	TRI	PND	T6	HDO	SCO	AM	H	6.3	430	250	1.0	200	1.4	200	4	3500	70	7.00	7.00	2.00	9DC
6L118	S	TRI	PND	T6	HDO	SCO	AM	H	6.0	450	250	1.0	200	1.4	200	4	3500	70	7.00	7.00	2.00	9DC
6K18	S	TRI	PND	T6	GEN	SCO	SY	H	6.3	600	300	1.0	200	4	4000	70	18K	3.20	0.32	9DX		
6K18	S	TRI	PND	T6	GEN	SRC	RC	H	6.3	750	330	1.0	200	4	4000	70	18K	2.80	2.60	9DX		
6J18	S	TRI	PND	T6	IFA	SCO	TS	H	6.3	600	330	1.1	200	4	4000	70	18K	3.00	2.00	9DX		
6K18	S	TRI	PND	T6	IFA	SCO	SY	H	6.4	450	300	1.0	200	4	4000	70	18K	3.20	0.32	9DX		
6J18	S	TRI	PND	T6	IFA	SCO	RC	H	6.5	450	330	1.1	200	4	4000	70	18K	3.00	2.00	9DX		
6K18	S	TRI	PND	T6	IFA	SCO	RC	H	6.3	450	300	1.1	200	4	4000	70	18K	2.80	2.60	9DX		
PLCB	S	TRI	PND	T6	GA	SRC	RC	H	8.4	450	300	1.1	200	4	4000	70	18K	2.80	2.20	9OY		
9J18	S	TRI	PND	T6	IFA	SCO	TS	H	9.5	600	330	1.1	200	4	4000	70	18K	3.00	2.00	9DX		
10mFB	S	TRI	PND	T6	VA	SCO	SY	H	10.5	450	330	1.0	200	4	4000	70	18K	3.20	2.80	9DX		
11K18	S	TRI	PND	T6	IFA	SCO	GEN	H	10.9	450	300	1.0	200	4	4000	70	18K	3.00	2.50	9DX		

CHARACTERISTIC LISTING - CONTINUED

CHARACTERISTIC LISTING - CONTINUED

TUBE TYPE NUMBER	RUN NUMBER	K ₁₁ D	K ₁₁ B	TUBE CHAR	REG	K FILAMENT TYPE	TUBE CHAR	REG	K FILAMENT TYPE	MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			CAPACITANCE PICOFARADS IN					
										V	MA	W	E _B	V	I _A	G _M	M _U	R _P	PICOFARADS OUT	OHMS	IN
TRIODES WITH PFNTODNE -CONTINUED-																					
KJ78	S	TRI	PND	T6	VA	SCO	#PL	H	6.3	780	300	1.0	200	4	4200	70	2.40	0.40	9DX		
KJ78	S	TRI	PND	T6	VA	SCO	#PL	H	6.2	600	300	1.0	200	4	4200	70	2.40	0.40	9DX		
11J78	S	TRI	PND	T6	VA	SCO	#PL	H	10.9	450	300	1.0	200	4	4200	70	2.40	0.40	9DX		
1nL78	S	TRI	PND	T6	GEN	GE	H	10.5	450	300	1.5	200	3	4000	75	19K	2.80	3.00	9DX		
1nT78	S	TRI	PND	T6	AF4	SCO	#SO	H	18.0	300	150	5	0.8	120	800U	1400	100	3.00	9EX		
351178	OPS	TRI	PND	T6	AF4	SCO	#SO	H	35.0	150	150	5	0.8	120	800U	1400	100	2.00	1.80	9EX	
KC11d	S	TRI	PND	T6	AF4	AM	H	6.3	700	300	8	0.5	250	1	1600	100	59K	2.60	2.80	9LZ	
KL11d	S	TRI	PND	T6	GEN	SCO	GE	H	6.3	750	330	1.0	250	1	1700	100	59K	2.60	2.80	9DX	
5Cn8	S	TRI	PND	T6	GEN	SCO	SY	H	4.7	600	300	1.0	250	2	2000	100	50K	1.60	0.42	9FZ	
6C118	S	TRI	PND	T6	GEN	SCO	SY	H	6.3	450	300	1.0	250	2	2000	100	50K	1.60	0.22	9FZ	
6ER8	S	TRI	PND	T6	VA	SCO	SY	H	6.3	750	330	1.0	250	2	2700	100	37K	2.40	0.36	9DX	
KGn8	S	TRI	PND	T6	VA	SCO	SY	H	6.3	750	330	1.0	250	2	2700	100	37K	2.40	0.36	9DX	
6GT8	S	TRI	PND	T9	VA	SCO	SY	H	6.3	725	330	1.0	250	2	2700	100	37K	1.70	1.60	9DX	
RFR8	S	TRI	PND	T6	VA	SCO	SY	H	8.0	600	330	1.0	250	2	2700	100	37K	2.40	0.36	9DX	
HGn8	S	TRI	PND	T6	VA	SCO	SY	H	8.0	600	330	1.0	250	2	2700	100	37K	2.40	0.36	9DX	
KJ78	S	TRI	PND	T6	VA	SCO	SY	H	6.3	750	330	1.0	250	2	2700	100	37K	2.40	0.36	9DX	
10GN8	S	TRI	PND	T6	VA	SCO	#TS	H	10.5	450	330	1.0	250	2	2700	100	37K	2.40	0.36	9DX	
10J78	S	TRI	PND	T9	VA	SCO	SY	H	10.2	450	330	1.0	250	2	2700	100	37K	1.70	1.60	9DX	
7116	S	TRI	PND	T6	OSC	SCO	GE	H	13.6	350	330	1.0	125	2	2900	102	35K	2.40	0.40	9DX	
6KT8	S	TRI	PND	T6	VA	SCO	SY	H	6.3	600	330	1.0	250	2	3200	100	32K	1.60	0.90	9DX	
10L78	TRI	PND	T6	GEN	GE	H	10.5	450	300	1.0	250	2	2700	100	37K	1.70	1.60	9DX			
6GA11	TDI	TWP	T9	VDD	RCD	#TS	H	6.3	300	300	20	1.5	250	5	1800	18	2.00	1.90	12ER		
RAA11	TDI	TWP	T9	VDD	RCD	SY	H	8.4	450	300	20	1.5	250	5	1800	18	2.00	1.90	12ER		
11HAT11	TDI	PND	T9	CON	SRC	GE	H	10.7	600	330	2.0	200	7	5300	40	7600	4.60	3.60	12GS		
6AF11	TDI	PND	T9	CON	SCO	GE	H	6.3	600	330	2.0	200	9	4400	41	9400	2.40	3.20	12DP		
6AS11	TDI	PND	T9	CON	SCO	GE	H	6.3	1050	330	2.0	200	9	4400	41	9400	2.40	3.00	12DP		
6BU11	TDI	PND	T9	CON	SCO	GE	H	6.3	1050	330	2.0	200	9	4400	41	9400	2.40	3.80	12DP		
6B011	TDI	PND	T9	DIS	SCO	GE	H	14.2	450	330	2.0	200	9	4400	41	9400	2.40	3.80	12GL		
14AF11	TDI	PND	T9	CON	SCO	GE	H	14.7	450	330	2.0	200	9	4400	41	9400	2.40	3.00	12DP		
15RP11	TDI	PND	T9	CON	SCO	GE	H	14.7	450	330	2.0	200	9	4400	41	9400	2.40	3.80	12DP		
15AS11	TDI	PND	T9	IFA	SCO	GE	H	6.3	1050	330	1.5	200	7	5500	68	12K	3.00	2.20	12DP		
6AF11	TDI	PND	T9	GEN	SCO	GE	H	6.3	1050	330	1.5	200	7	5500	68	12K	2.40	2.20	12DP		
6B011	TDI	PND	T9	GEN	SCO	GE	H	6.3	1050	330	1.5	200	7	5500	68	12K	3.00	2.20	12DP		
14BR11	TDI	PND	T9	GEN	SCO	GE	H	14.2	450	330	1.5	200	7	5500	68	12K	2.80	2.20	12GL		
15AF11	TDI	PND	T9	GEN	SCO	GE	H	14.7	450	330	1.5	200	7	5500	68	12K	3.00	2.20	12DP		
15BD11	TDI	PND	T9	GEN	SCO	GE	H	14.7	450	330	1.5	200	7	5500	68	12K	3.00	2.20	12DP		
11BT11	S	TDI	PND	T9	GEN	SCO	GE	H	10.7	600	330	1.5	200	7	5500	69	12K	2.80	2.00	12GS	
14RL11	S	DTR	PND	T9	GEN	SCO	GE	H	14.2	450	330	1.5	200	7	5500	69	12K	3.00	2.40	12GC	
12FR8	S	TRI	PDD	T6	AF4	SCO	#TS	H	12.6	320	16	1.3	1	1200	10	2.60	2.00	2.00	9KU		
14BL11	S	DTR	PND	T9	GEN	SRC	GE	H	14.2	450	330	2.0	200	7	5300	40	7600	4.40	4.00	12GC	

CHARACTERISTIC LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND TYPE	RULB	USF	TUBE CHAR	REG TYPE	K FILAMENT	TYPICAL CHARACTERISTICS			MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			EIA BASE NO.			
								V	MA	W	V	MA	W	E _R	V	I _R	G _M	MU	R _P	
TRIODE WITH HEXODE																				
12K9GT		TRI	HEX	T9	OSC		SY	H	12.6	150	125	0.8	100	4			6.50	3.40	8K	
TRIODE WITH PENTAGRID																				
12Fy8A 3AJ8	TRI	PTG	T6	RFA GEN	SCO	#TS RE	H	12.6	300 - 600	16 550	6	0.8	100	1.1	1400	10 3700	22	2.20 2.60	0.48 2.10	9KV 9CA
TETRODE SINGLE																				
2C95 3C95 3EA5 4C95 6C95	S	TET	SIN	T5	VHF	SCO	WH	H	2.4	600	180	2.0	2.0	1.25	1.0	8000	100K 100K	4.50 4.50	3.00 3.00	7FW
6E45	S	TET	SIN	T5	VHF	SCO	WH	H	2.9	450	180	2.0	2.0	1.25	1.0	8000	100K 100K	4.50 4.50	3.00 3.00	7EW
72901 7167 7717	+ S S	TET	SIN	T5	VHF	SCO	WH	H	3.0	450	250	2.0	3.2	2.50	1.0	8000	150K 100K	3.80 4.00	2.30 2.40	7EW
7587 6380 12K5	* + TET	SIN	M14	VHF	SCO	WH	H	4.5	300	180	2.0	2.0	1.25	1.0	8000	100K 100K	4.50 4.50	3.00 3.00	7EW	
76EV5	TET	SIN	T5	VHF	SCO	#PL	H	6.3	200	250	2.0	3.2	2.50	1.0	8000	150K 100K	4.50 4.50	3.00 3.00	7EW	
72901 7167 7717	+ S S	TET	SIN	T5	VHF	SCO	RC	H	6.3	200	300	2.0	2.0	1.25	1.0	8000	100K 100K	4.50 4.50	3.00 3.00	7FW
7587 6380 12K5	* + TET	SIN	M14	VHF	SCO	RC	GE	H	13.5	90	180	2.0	2.0	1.25	1.0	8000	125K 11000	4.40 4.40	2.74 2.74	7EW
76EV5	TET	SIN	T5	VHF	SCO	WH	H	6.3	200	275	2.0	3.2	2.50	1.2	8000	150K 100K	4.50 4.50	2.90 2.90	7EW	
7587 6380 12K5	* + TET	SIN	M14	VHF	SCO	RC	GE	H	7.2	1000	250	1.6	1.6	1.25	1.0	8000	100K 100K	6.50 6.50	1.40 1.40	12AS 12AS
						#TS	H	12.6	400	30				13	40	15000	480			7FD

CHARACTERISTIC LISTING - CONTINUED

TUBE TYPE NUMBER	CONE	KIND	TYPE	RULB	UHF	CHAR	TUBE REF. TYPE	K	TYPICAL FILAMENT CHARACTERISTICS			MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			CAPACITANCE PICOFARADS IN	EIA BASE NO.
									V	mA	W	E	R	mA	G	M	U		
TETRODE TWIN																			
8458	TET	TWN	T9	VHF			AM	H	13.5	380	450	55	10.0	450	11.0	2500	6.80	3.20	9PW
6907	TET	TWN	T14	VHF			RC0	AM	12.6	650	750	82	12.5	300	50	2500	6.50	2.50	
6361A	S	TET	TWN	T6	VHF		AM	H	12.6	410	300	50	7.0	300	72	3300	6.20	2.60	9PW
8457	S	TET	TWN	T6	VHF		AM	F	13.5	380	300	50	7.0	300	72	3300	6.20	2.60	9PW
5656	S	TET	TWN	T6	VHF		SRC	RA	6.3	400	250	20	3.0	150	1.6	5800	6.0K	3.60	1.50
8408	TET	TWN	T6	UHF			AM	F	1.1	3000	300	45	4.0	275	40	7000			9QV
6939	TET	TWN	T6	VHF			SCO	AM	12.6	300	275	45	3.0	200	1.6	7500	6.40	1.60	
6C9	TET	TWN	T6	VHF			SCO	SY	6.3	400	250	20	1.5	125	1.0	8000	100K		10F
17C9A	TET	TWN	T6	VHF			SCO	SY	16.8	150	250	20	1.5	125	1.0	8000	100K		10F
6AD9	TET	TWN	T6	CON			WT	H	6.3	365	250	20	2.0	125	8	10000			10N
15A19	TET	TWN	T6	CON			WT	H	15.0	150	250	20	2.0	125	8	10000	110K		10N
17A19	TET	TWN	T6	CON			WT	H	16.8	150	250	20	2.0	125	8	10000	110K		10N
7645	S	TET	TWN	T6	UHF		SCO	AM	12.6	300	250	40	3.5	200	20	10500	6.40	1.60	9H _L
TETRODE WITH DIODE																			
6FH7	TET	D10	T6				SCO	RC	H	6.3	300	330	1.5	100	4	3200	90K		1.80
6K _M 8	TET	D10	T6	HF			SRC	RC	H	6.3	300	330	1.0	100	4	3400	30K		9MR
12J8	TET	DWD	T6	PA			SCO	SY	H	12.6	325	30	1.3	1.2	5500	6000	10.50	4.40	9G
TETRODE WITH TRIODE																			
6FH8	TET	TRI	T6	VA	SCO	RC	H	6.3	450	275		2.50	7	4400	750K	4.50	1.40	9KP	
5C08	S	TET	TRI	T6	MIX	SCO	RC	H	4.7	600	300	2.8	125	12	5800	140K		9GE	
AC08	S	TET	TRI	T6	MIX	SCO	RC	H	6.3	450	300	2.8	125	12	5800	140K		9GE	
9CL8	S	TET	TRI	T6	MIX	SRC	SY	H	9.5	300	300	2.8	125	12	5800	100K		9FX	
12DY8	TET	TRI	T6	DDA			SRC	SY	H	12.6	350	16		13	1.4	6000	5000	11.00	3.00
5CL8A	S	TET	TRI	T6	MIX	SRC	GE	H	4.7	600	330	3.0	125	12	6500	200K		9FX	
6CL8A	S	TET	TRI	T6	MIX	SRC	GE	H	6.3	450	330	3.0	125	12	6500	200K		9FX	
19CL8R	TET	TRI	T6	MIX	SRC	SY	H	6.9	150	330	3.0	125	12	6500	200K		2.00		
6JAB	TET	TRI	T6	IFA	SCO	WH	H	6.3	750	330	5.0	200	1.8	14000	7000	11.00	4.80	9OF	
10JAB	TET	TRI	T6	IFA	SCO	WH	H	10.5	450	330	5.0	200	1.8	14000	7000	11.00	4.80	9OF	

CHARACTERISTIC LISTING - CONTINUED

TUBE TYPE NUMBER	CONE	KIND	TYPE	BULB	USF	TUPE	RFG	K	TYPICAL FILAMENT			MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			EIA BASE NO.	
									V	MA	V	MA	V	MA	ER	TB	GM	MU	RP
12AL8		TET	TRI	T6	PA	SRC	#TS	H	12.6	550	30	13	40	15000	480	13.00	1.60	9GS	
BEAM SINGLE																			
6EA4	PEA	SIN	T12		REG	GE	GE	H	6.3	200	27K	2	30.0	200	1	1.90	0.63	12FA	
6EF4	REA	SIN	T12		REG	RCD	SRG	H	6.3	200	27K	2	40.0	40.0	1	2.00	0.80	12HC	
6GS5	REA	SIN	T9	PA	AM	AM	AM	H	13.3	1380	275	275	6.0	75	440			9NH	
13GB5	REA	SIN	T9	PA	AM	AM	AM	H	13.3	600	275	275	6.0	75	440			9NH	
18GR5	REA	SIN	T9	PA	AM	AM	AM	H	18.0	450	275	275	6.0	75	440			9NH	
21KU6	REA	SIN	T9	HDA	RCD	MT	MT	H	21.5	450	275	275	17.0	40	440			27.00	11.00
27GB5	REA	SIN	T9	PA	SRC	AM	AM	H	27.0	300	275	275	6.0	75	440			9RJ	
28GS5	PEA	SIN	T9	PA	SRC	AM	AM	H	28.0	300	275	275	6.0	75	440			9NH	
29K06	REA	SIN	T9	HDA	RCD	MT	MT	H	29.0	300	275	275	17.0	50	440			27.00	11.00
5933	S+	REA	SIN	T12	PA	RCD	SY	H	6.3	900	600	25.0	600	36				12.00	7.00
6B14A	PEA	SIN	T12		REG	SRC	RC	H	6.3	600	27K	2	25.0	1	100	2K	3.80	0.40	8FU
6KS6	REA	SIN	T5	DIS	SCD	GE	GE	H	6.3	300	330	13	135	5	400			7DF	
7765	*	PEA	SIN	T6	IFA	GE	HY	F	2.5	165	150	25	3.0	150	1000			9NF	
6397	+	REA	SIN	T5	PA	RCD	RA	F	2.5	62	135	14	1.5	125	7	2000			7CY
6K6GT	S	REA	SIN	T9	PA	RCD	HY	H	6.3	450	315	40	8.5	250	33	2300	90K	3.50	6.00
5686	S*	REA	SIN	T6	PA	RCD	RA	H	6.3	350	250	40	7.5	250	27	3100	45K	6.40	4.00
2E26	S	REA	SIN	T9	PA	RCD	RC	H	6.3	800	600	75	17.0	250	42	3500		12.50	7.00
6893	S	REA	SIN	T9	PA	RCD	RC	H	12.6	400	600	75	17.0	250	42	3500		12.50	7.00
6945	+	REA	SIN	T3	AFA	RCD	SY	H	6.3	350	250	3.0	120	250	25	3500		20K	5.00
6HR5	REA	SIN	T5	VDA	RCD	WH	WH	H	6.3	450	260	35	8.0	260	30	3600		8.30	8.20
7701	REA	SIN	T6	PA	SRC	GE	GE	H	13.6	160	350	45	9.0	250	28	3600		31K	3.60
7757	*	REA	SIN	T6	PA	RCD	*BE	H	6.3	600	3K	75	14.0	250	45	4100			9MS
5CM6	S	REA	SIN	T6	PA	RCD	SY	H	4.7	600	315	12.0	250	47	4100		50K	8.00	8.50
5V6GT	S	PEA	SIN	T9	PA	RCD	GE	H	4.7	600	315	12.0	250	47	4100		50K	9.00	7.50
6CM6	S	PEA	SIN	T6	PA	RCD	SY	H	6.3	450	315	40	12.0	250	47	4100		50K	8.00
6EZ5	S	REA	SIN	T9	VDA	RCD	GE	H	6.3	800	350	75	12.0	250	43	4100		50K	9.00
6HE5	BEA	SIN	T9	VDA	RCD	GE	GE	H	6.3	800	350	75	12.0	250	43	4100		50K	7.00
6V6GTA	S	BEA	SIN	T9	PA	RCD	*HY	H	6.3	450	315	12.0	250	47	4100		50K	9.00	12EY
12ARS	S	BEA	SIN	T6	VDA	RCD	PA	H	12.6	200	315	12.0	250	47	4100		50K	9.00	7.50

CHARACTERISTIC LISTING - CONTINUED

BEAM SINGLE
•CONTINUED•

TUBE TYPE NUMBER	CONE	KIND	TYPE	AULB	USF	CHAR	REG	K	TYPICAL FILAMENT TYPE	MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			CAPACITANCE				
										V	MA	W	ER	V	IB MA	GM UMHO	R _P OHMS	PICOFARADS IN	OUT	
BEAM SINGLE																				
12CM6	S	REA	SIN	T6	PA	R _{CO}	SY	H	12.6	225	315	12.0	250	47	4100	8.00	8.50	9CK		
12V6GT	S	REA	SIN	T9	PA	R _{CO}	#TS	H	12.6	225	315	12.0	250	47	4100	9.00	7.50	7S		
7408	S	REA	SIN	T9	PA	R _{CO}	WH	H	6.3	450	350	14.0	250	47	4100	9.00	7.50	7S		
7500	S	REA	SIN	T6	PA	R _{CO}	ST	H	6.3	450	350	13.2	250	45	4100	8.30	7.00	9AH		
5A05	+*	REA	SIN	T5	PA	R _{CO}	GE	H	4.7	600	250	12.0	250	47	4100	52K	8.00	8.50	7BZ	
6A05W	S	REA	SIN	T5	PA	R _{CO}	#TS	H	6.3	450	250	12.0	250	47	4100	52K	8.00	8.50	7BZ	
6H5	S	REA	SIN	T5	PA	R _{CO}	RC	H	6.3	450	275	12.0	250	47	4100	52K	8.00	8.50	7BZ	
12A05	S*	REA	SIN	T5	PA	R _{CO}	RC	H	12.6	225	250	12.0	250	47	4100	52K	8.00	8.50	7BZ	
6005	S*	REA	SIN	T5	PA	R _{CO}	GE	H	6.3	450	275	11.0	250	47	4100	52K	8.30	7.50	7BZ	
6096	S	REA	SIN	T5	PA	R _{CO}	RC	H	6.3	450	250	12.0	250	47	4100	52K	8.00	8.50	7BZ	
6669	S	REA	SIN	T5	PA	R _{CO}	GE	H	6.3	450	250	12.0	250	47	4100	52K	8.00	8.50	7BZ	
6224	S+	REA	SIN	T3	PA	R _{CO}	#SO	H	6.3	450	165	50	5.0	110	30	4200	1JK	6.50	7.50	7BZ
5902	S*	HEA	SIN	T3	PA	R _{CO}	SY	H	6.3	450	165	50	4.0	110	30	4200	15K	6.50	8.50	7BZ
7762	S*	HEA	SIN	T3	AFA	R _{CO}	SY	H	26.5	110	165	50	4.0	110	30	4200	15K	6.50	4.50	8DE
852R	+	HEA	SIN	T3	AFA	R _{CO}	TO	H	6.3	450	165	50	3.7	110	30	4200	15K	6.50	7.50	8DE
7061	S	HEA	SIN	T6	PA	R _{CO}	RC	H	13.5	210	345	9.0	200	38	4200	60K	8.00	8.50	7BZ	
6094	* PEA	SIN	T6	PA	R _{CO}	#FE	RC	H	6.3	600	275	60	12.5	250	45	4200	32K	8.50	5.30	8DE
7239	S*	HEA	SIN	T6	REG	R _{CO}	GE	H	6.3	300	2K	85	4.0	300	10	4200	300K	7.00	4.00	9KH
7973	S	REA	SIN	T6	PA	R _{CO}	AE	H	5.0	230	150	5.0	150	28	4300	73K	6.00	6.00	9L	
6EY6	S	REA	SIN	T9	VDA	R _{CO}	GE	H	6.3	650	350	180	11.0	250	44	4400	60K	8.50	7.00	7S
7EY6	S	REA	SIN	T6	VDA	R _{CO}	GE	H	7.2	600	350	180	11.0	250	44	4400	60K	8.50	7.00	7S
6G5b	S	REA	SIN	T9	HDA	R _{CO}	GE	H	6.3	1200	770	500	9.0	250	34	4700	260K	16.00	7.50	12BZ
16A5	S	REA	SIN	T9	HDA	R _{CO}	GE	H	18.5	300	350	310	9.0	200	40	4800	27K	13.00	7.00	6CK
5C75	S	HEA	SIN	T6	PA	R _{CO}	RC	H	4.7	600	350	12.0	250	48	4800	73K	6.00	6.00	9HN	
6C25	S	REA	SIN	T6	PA	R _{CO}	RC	H	6.3	450	350	140	12.0	250	48	4800	73K	6.00	6.00	9HN
6973	S	PEA	SIN	T9	VDA	R _{CO}	RC	H	6.3	450	400	180	11.0	250	44	4400	60K	8.50	7.00	7S
6E45	S	REA	SIN	T6	PA	R _{CO}	RC	H	6.3	1200	770	500	9.0	250	34	4700	27K	13.00	7.00	6CK
8E45	S	REA	SIN	T6	PA	R _{CO}	RC	H	8.4	600	315	210	10.0	250	35	5100	73K	6.00	6.00	9HN
6L ^a WG8	S*	REA	SIN	T12	PA	R _{CO}	SY	H	6.3	900	360	19.0	210	350	66	5200	33K	11.50	9.50	7S
5932	S*	REA	SIN	T6	PA	R _{CO}	SY	H	6.3	900	400	210	0	350	66	5200	33K	6.00	6.00	9HN
6H16GT	S	REA	SIN	T6	HFA	R _{CO}	RC	H	13.5	360	300	70	10.0	250	46	4800	73K	8.00	8.50	9EU
7551	S*	REA	SIN	T6	HFA	R _{CO}	RC	H	6.3	800	300	70	10.0	250	40	5300	10.00	5.10	9HN	
7558	S	HEA	SIN	T6	CON	R _{CO}	RC	H	8.4	600	300	1.5	150	150	40	5300	10.00	5.10	9HN	
7360	S	HEA	SIN	T6	PA	R _{CO}	SY	H	6.3	1200	330	225	11.0	200	55	5500	15K	14.00	9.00	9CK
6Dw5	S	HEA	SIN	T6	PA	R _{CO}	#HY	H	6.3	1200	550	400	11.0	250	55	5500	20K	15.00	7.50	6AH
6H16GT	S	HEA	SIN	T9	HDA	R _{CO}	SY	H	12.6	600	550	400	11.0	250	55	5500	20K	15.00	7.50	6AH
12H06GT	S	HEA	SIN	T9	HDA	R _{CO}	SY	H	16.8	450	550	400	11.0	250	55	5500	20K	15.00	7.50	6AH
17H06GT	S	HEA	SIN	T9	VDA	R _{CO}	#PL	H	25.0	300	550	400	11.0	250	55	5500	20K	15.00	7.50	6AH
25h06GT	S	REA	SIN	T5	PA	SRC	SY	H	32.0	100	150	5.4	110	50	5500	22K	12.00	6.00	7CV	
32e1bA	S	REA	SIN	T5	PA	R _{CO}	RC	H	6.3	800	150	5.5	150	36	5600	12.00	6.20	6.20	7CV	
6AS5	S	REA	SIN	T5	PA	R _{CO}	RC	H	6.3	800	150	5.5	150	36	5600					

CHARACTERISTIC LISTING - CONTINUED

BFAM SINGLE
-CONTINUED-

TUBE TYPE NUMBER	CONE	KIND	TYPE	HULB	USE	TURE CHAR	REG TYPE	K FILAMENT	MAXIMUM PLATE CHARACTERISTICS				TYPICAL CHARACTERISTICS				EIA NO.	
									V	MA	W	V	MA	W	VM	MU	RP	
6AU5GT	HEA	SIN	T9	PA	RCO	RC	RC	6.3	1250	550	400	10.0	115	6.0	5600	6000	11.30	7.00
34G15A	RE4	SIN	T5	PA	RCO	RC	RC	34.0	100	150	5.0	110	35	5700	12.00	9.00	7CV	
35H2	S	HEA	SIN	T5	PA	RCO	RC	35.0	150	117	4.5	110	41	5800	11.00	6.50	7BZ	
35C2	S	HEA	SIN	T5	PA	RCO	SY	35.0	150	135	4.5	110	41	5800	12.00	9.00	7CV	
25F7	S	BEA	SIN	T5	PA	RCO	SY	25.0	150	135	4.5	110	37	5800	16K	12.00	6.00	
6U5	RE4	SIN	T5	PA	RCO	RC	RC	6.3	800	250	8.0	250	32	5800	28K	9.50	6.30	
6AV5RA	S	HEA	SIN	T11	HDA	RCO	GE	6.3	1200	550	400	11.0	250	57	5900	14K	14.00	7.00
6CU6	S	HEA	SIN	T11	HDA	RCO	*HY	6.3	1200	600	400	11.0	250	57	5900	14K	15.00	7.00
12AV5GA	S	HEA	SIN	T11	HDA	RCO	GE	12.6	600	550	440	11.0	250	57	5900	14K	14.00	7.00
12CU6	S	RE4	SIN	T11	HDA	RCO	SY	12.6	600	600	400	11.0	250	57	5900	14K	15.00	7.00
17AV5GA	HE4	SIN	T11	HUA	RCO	GE	H	16.8	450	550	400	11.0	250	57	5900	14K	14.00	7.00
25AV5GA	S	RE4	SIN	T11	HDA	RCO	GE	25.0	300	550	400	11.0	250	57	5900	14K	14.00	7.00
25C16	S	HEA	SIN	T12	HDA	RCO	SY	25.0	300	600	400	11.0	250	57	5900	14K	15.00	7.00
46U4	S	RE4	SIN	T12	PA	RCO	RC	6.3	650	400	150	25.0	200	100	6000	11.00	8.50	7CL
7311	*	RE4	SIN	C1M	PA	*RE	H	6.3	800	300	100	21.0	250	86	6000			
12U5	RE4	SIN	T6	HDA	RCO	WH	H	12.6	600	600	400	11.0	250	65	6000	18K	12.90	6.90
70274	RE4	SIN	T12	PA	RCO	RC	RC	6.3	900	450	400	25.0	72	6000	22K	10.00	7.50	9HC
66666CA	RE4	SIN	T12	HDA	RCO	GE	H	6.3	900	700	400	20.0	250	75	6000	25K	11.00	6.00
19H5GA	RE4	SIN	T12	HDA	RCO	GE	H	18.9	300	700	400	20.0	250	75	6000	25K	11.00	6.00
35L5GT	RE4	SIN	T9	PA	RCO	*TS	H	35.0	150	200	8.5	200	43	6100	34K		7S	
6U75	RE4	SIN	T6	VDA	RCO	WH	H	6.3	1200	315	190	9.0	250	38	6200		12.50	4.90
12U15	RE4	SIN	T6	VDA	RCO	WH	RC	12.6	600	315	190	9.0	250	38	6200		12.50	4.90
25F4	RE4	SIN	T5	PA	RCO	RC	RC	25.0	150	150	150	15.0	250	43	6400	130K	12.00	8.00
6F45	RE4	SIN	T12	HDA	RCO	GE	H	6.3	1200	770	550	17.5	250	75	6600	20K	17.00	7.00
6GE5	RE4	SIN	T12	HDA	RCO	GE	H	6.3	1200	770	550	17.5	250	75	6600	20K	16.00	7.00
12GF6	S	RE4	SIN	T12	HDA	RCO	RA	12.6	600	770	550	17.5	250	345	6600	20K	15.00	7.00
12GF5	S	RE4	SIN	T12	HDA	RCO	GE	12.6	600	770	550	17.5	250	75	6600	20K	16.00	7.00
17GF5	S	RE4	SIN	T12	HDA	RCO	GE	16.8	450	770	550	17.5	250	75	6600	20K	16.00	7.00
7953	S	RE4	SIN	T6	VHF	SCO	RC	6.3	650	300	60	10.0	200	36	6700	20K	8.50	9PB
5753	S	RE4	SIN	T6	VHF	RCO	RC	6.0	750	300	50	12.0	300	50	7000	20K	9.50	4.50
7212	S*	RE4	SIN	T12	PA	RCO	SY	6.3	1250	750	150	25.0	200	100	7000		13.50	8.50
6146A	S	RE4	SIN	T12	PA	RCO	RC	26.5	300	750	135	25.0	200	100	7000		13.50	8.50
6159A	S	RE4	SIN	T12	PA	RCO	SY	26.5	300	750	150	25.0	200	100	7000		13.50	8.50
6417	S	HEA	SIN	T6	VHF	RCO	RC	12.6	375	300	50	12.0	300	50	7000		9.50	4.50
68R3A	S	RE4	SIN	T12	PA	RCO	SY	12.6	625	750	150	25.0	200	100	7000		13.50	8.50
7212	S*	HEA	SIN	T12	PA	RCO	RC	6.3	1250	750	135	25.0	200	100	7000		13.50	8.50
7357	S	RE4	SIN	T12	PA	RCO	RC	26.5	300	750	135	25.0	200	100	7000		13.50	8.50
8032	S	FEA	SIN	T12	PA	RCO	RC	13.5	625	400	90	25.0	400	50	7000		13.50	8.50
8042	S	RE4	SIN	T13	OSC	RCO	AM	12.6	3200	650	160	25.0	600	150	7000		13.50	8.50
12U5	S	RE4	SIN	VDA	RCO	SY	H	12.6	600	150	45	110	45	110	140	140	13.00	9.00
6J116	S	RE4	SIN	T12	HDA	HIP	RC	6.3	1600	770	275	17.0	130	45	7000	18K	22.00	9.00

CHARACTERISTIC LISTING - CONTINUED

CHARACTERISTIC LISTING - CONTINUED

CHARACTERISTIC LISTING - CONTINUED

TYPE NUMBER	TUBE NUMBER	KIND	TYPE	RUE	USF	TUBE CHAR	REG TYPE	K	TYPICAL FILAMENT V	MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			CAPACITANCE PIGGYBACKS IN					
										V	MA	W	ER	V	MA	W	GM	RU	R _P	OMS	OUT
6FAM SINGLE																					
-CONTINUE-																					
22J10	REA	SIN	T12	UDA	HIP	RC	H	22.0	450	770	275	17.0	130	45	7000	18K	22.00	9.00	9QL		
6G10A	REA	SIN	T12	HDA	HIP	RC	H	6.3	1200	770	550	17.5	250	70	7100	15K	15.00	6.50	9QL		
6G15A	REA	SIN	T12	PA	HIP	RC	H	6.3	1200	770	550	17.5	250	70	7100	15K	15.00	6.50	9NZ		
6G16	REA	SIN	T12	RCA	RCA	RC	H	6.3	1200	770	550	18.0	250	70	7100	15K	15.00	6.50	6AM		
6JT6	REA	SIN	T12	HOA	RCA	RC	H	6.3	1200	770	550	17.5	250	70	7100	15K	15.00	6.50	9QU		
12G15	REA	SIN	T12	HDA	HIP	RC	H	12.6	600	770	550	17.5	250	70	7100	15K	15.00	6.50	9QL		
12G15A	REA	SIN	T12	PA	HIP	RC	H	12.6	600	770	550	17.5	250	70	7100	15K	15.00	6.50	9NL		
12G16	REA	SIN	T12	RCA	RCA	RC	H	12.6	600	770	550	18.0	250	70	7100	15K	15.00	6.50	6AM		
12JT6A	REA	SIN	T12	HDA	RCA	RC	H	12.6	600	770	175	17.5	250	70	7100	15K	15.00	6.50	9QU		
17G15A	REA	SIN	T12	PA	HIP	RC	H	16.8	450	770	550	17.5	250	70	7100	15K	15.00	6.50	9QL		
17G16	REA	SIN	T12	PA	RCA	RC	H	16.8	450	770	175	17.5	250	70	7100	15K	15.00	6.50	9NL		
17JT6A	REA	SIN	T12	PA	RCA	SY	H	6.3	1250	200	1250	200	200	66	7100	18K	12.00	6.50	7S		
6J10A	REA	SIN	T12	HOA	RCA	RC	H	6.3	1200	770	175	17.5	250	70	7100	150K	15.00	6.00	9QL		
17G15A	REA	SIN	T12	PA	HIP	RC	H	16.8	450	770	550	17.5	250	70	7100	15K	15.00	6.50	9NL		
17G16	REA	SIN	T12	PA	RCA	RC	H	16.8	450	770	550	18.0	250	70	7100	15K	15.00	6.50	6AM		
17JT6A	REA	SIN	T12	PA	RCA	RC	H	16.8	450	770	175	17.5	250	70	7100	15K	15.00	6.50	9QU		
6J10A	REA	SIN	T12	HOA	RCA	RC	H	6.3	1200	770	175	17.5	250	70	7100	15K	15.00	6.50	9QL		
12J16A	REA	SIN	T12	HOA	RCA	RC	H	12.6	600	770	175	17.5	250	70	7100	15K	15.00	6.00	9QL		
629.5	REA	SIN	T12	PA	RCA	RC	H	6.3	1250	4K	3000	10.0	200	100	7300	150K	15.00	6.00	9QL		
6J10A	REA	SIN	T12	HOA	RCA	GE	H	6.3	1200	770	175	17.5	250	70	7300	15K	15.00	8.50	7CK		
6J16A	REA	SIN	T12	HOA	RCA	GE	H	6.3	1200	770	175	17.5	250	70	7300	18K	15.00	7.00	12FJ		
12J16A	REA	SIN	T12	HOA	RCA	GE	H	12.6	600	770	175	17.5	250	70	7100	15K	15.00	6.00	9QL		
17J16A	REA	SIN	T12	HOA	RCA	GE	H	16.8	450	770	175	17.5	250	70	7100	15K	15.00	6.00	9QL		
17JT6A	REA	SIN	T12	HOA	RCA	GE	H	16.8	450	770	175	17.5	250	70	7100	15K	15.00	7.00	12FJ		
6J10A	REA	SIN	T12	HOA	RCA	GE	H	6.3	1200	770	175	17.5	250	70	7300	15K	16.00	7.00	12FJ		
12J16A	REA	SIN	T12	HOA	RCA	GE	H	12.6	600	770	175	17.5	250	70	7100	15K	15.00	7.00	12FJ		
17J16A	REA	SIN	T12	HOA	RCA	GE	H	16.8	450	770	175	17.5	250	70	7100	15K	16.00	7.00	12FJ		
17JT6A	REA	SIN	T12	HOA	RCA	GE	H	16.8	450	770	175	17.5	250	70	7100	15K	16.00	7.00	12FJ		
6G15	REA	SIN	T12	HOA	RCA	GE	H	6.3	1200	700	700	10.0	135	70	7500	65	7300	15K	16.00	7.00	12DR
12G16	REA	SIN	T12	PA	RCA	RC	H	12.6	600	770	610	18.0	250	65	7300	18K	15.00	7.00	6AM		
12G16P	REA	SIN	T12	PA	RCA	RA	WH	12.6	600	770	175	17.5	250	65	7300	18K	16.00	7.00	12DR		
17D00P	REA	SIN	T12	PA	RCA	GE	H	16.8	450	770	610	18.0	250	65	7300	18K	15.00	7.00	6AM		
17G15	REA	SIN	T12	PA	RCA	GE	H	16.8	450	770	175	17.5	250	65	7300	18K	16.00	7.00	12FJ		
17G16	REA	SIN	T12	PA	RCA	GE	H	16.8	450	770	175	17.5	250	65	7300	18K	16.00	7.00	12FJ		
24EC6	REA	SIN	T12	HOA	RCA	GE	H	25.0	600	700	700	10.0	135	70	7500	65	7300	18K	16.00	7.00	12DR
6C15	REA	SIN	T5	PA	RCA	RC	H	6.3	1200	135	600	120	50	50	7500	10K	13.00	8.50	7CV		
12C5	REA	SIN	T5	PA	RCA	RC	H	12.6	600	135	5.5	110	50	50	7500	10K	13.00	9.00	7CV		
12C5	REA	SIN	T5	PA	RCA	RC	H	12.6	600	135	6.0	120	50	50	7500	10K	13.00	8.50	7CV		
17C5	REA	SIN	T5	PA	RCA	RC	H	16.8	450	135	5.5	110	50	50	7500	10K	13.00	9.00	7CV		
25C5	REA	SIN	T5	PA	RCA	RA	H	25.0	300	135	5.5	110	50	50	7500	10K	13.00	6.10	7CV		
5185	REA	SIN	T5	PA	RCA	RC	H	50.0	150	135	5.5	110	50	50	7500	10K	13.00	9.00	7BZ		
5185	REA	SIN	T5	PA	RCA	SY	H	50.0	150	135	5.5	110	50	50	7500	10K	13.00	9.00	7CV		
5185	REA	SIN	T5	PA	SRC	GE	H	50.0	150	150	5.5	110	50	50	7500	10K	13.00	9.00	7FZ		
5185	REA	SIN	T5	VDA	RCA	PL	H	6.3	1200	250	120	5.0	110	39	7500	12K	14.00	6.00	7BZ		
6HF5	REA	SIN	T5	VDA	RCA	GE	H	35.0	150	110	5.5	110	47	7500	12K	14.00	9.50	7FZ			
35GL6	REA	SIN	T5	PA	RCA	GE	H	35.0	150	110	5.5	110	47	7500	12K	14.00	9.50	7FZ			

CHARACTERISTIC LISTING - CONTINUED

BEAM SINGLE
-CONTINUED-

TUBE TYPE NUMBER	CODE	KIND TYPE	BULB	USF CHAR	TUBE REG TYPE	K REG TYPE	TYPICAL FILAMENT CHARACTERISTICS			MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			CAPACITANCE PICOFARADS IN OUT					
							V	MA	W	V	MA	W	EA V	IR MA	GM UMHO	R _P OMHS	11.00	5.00	EIA BASE NO.		
8156	RE A	SIN	T9	PA	RCO	GE	H	13.5	300	600	100	15.0	200	75	7600	42K	11.00	5.00	12EU		
7355	RE A	SIN	T9	PA	RCO	GE	H	6.3	800	500	100	18.0	250	74	7600	7200	13.00	6.00	8K		
6CD6GA	S	RE A	SIN	T12	HDA	RCO	GE	H	6.3	2500	700	700	20.0	175	75	7700	7200	22.00	8.50	5BT	
25CD6GA	S	RE A	SIN	T12	HDA	RCO	GE	H	25.0	600	700	700	20.0	175	75	7700	7200	22.00	8.50	5BT	
21GY5	RE A	SIN	T12	HDA	RCO	GE	H	21.0	450	770	230	18.0	130	40	7700	14K	22.00	9.00	12DR		
6DR5	S	RE A	SIN	T6	VDA	RCO	XHY	H	6.3	1200	300	200	10.0	200	47	8000	28K	15.00	9.00	9GR	
6DG6GT	S	RE A	SIN	T9	PA	RCO	-RA	H	6.3	1200	200	200	10.0	200	47	8000	28K	15.00	10.00	7S	
6GC5	S	RE A	SIN	T9	PA	RCO	SY	H	6.3	1200	220	12.0	20.0	200	47	8000	28K	18.00	7.00	9EU	
6W6GT	S	RE A	SIN	T9	PA	RCO	XHY	H	6.3	1200	300	180	10.0	200	47	8000	28K	15.00	9.00	7S	
12DR5	S	RE A	SIN	T6	VDA	RCO	XHY	H	12.6	600	300	200	10.0	200	47	8000	28K	15.00	9.00	9GR	
12L6GT	S	RE A	SIN	T9	PA	RCO	GE	H	12.6	600	200	100	10.0	200	47	8000	28K	15.00	9.00	7S	
12W6GT	S	RE A	SIN	T9	PA	RCO	XHY	H	12.6	600	300	180	10.0	200	47	8000	28K	15.00	9.00	7S	
25L6GT	S	RE A	SIN	T9	PA	RCO	RC	H	25.0	300	200	100	10.0	200	47	8000	28K	15.00	9.00	7S	
30L6GT	S	RE A	SIN	T9	PA	RCO	GE	H	25.0	300	200	100	10.0	200	47	8000	28K	15.00	9.00	7S	
6046	+ BEA	SIN	T9	PA	SRC	GE	H	6.3	1200	250	9.0	250	37	8500	100K	100K	13.00	5.00	98Q		
6BK5	HE A	SIN	T6	PA	SRC	GE	H	12.6	600	250	9.0	250	37	8500	100K	100K	13.00	5.00	98Q		
12BK5	RE A	SIN	T6	PA	SRC	GE	H	25.0	300	250	9.0	250	37	8500	100K	100K	13.00	5.00	98Q		
25BK5	RE A	SIN	T6	PA	SRC	RC	H	6.3	2500	800	770	23.0	90	8800	50000	50000	22.00	10.00	86D		
6CR5A	S	RE A	SIN	T12	HDA	RCO	XHY	H	6.3	1200	300	110	10.0	200	51	8800	39K	12.30	6.70	9CE	
6216	+ BEA	SIN	T6	PA	SRC	GE	H	13.5	250	330	40	6.0	300	16	9000	10.00	10.00	2.80	9PL		
8106	RE A	SIN	T6	AFD	SRC	GE	H	6.3	2500	700	700	15.0	125	70	9000	40000	40000	22.00	11.50	5BT	
6DN6	RE A	SIN	T12	HDA	RCO	SY	H	25.0	600	700	700	15.0	125	70	9000	40000	40000	22.00	11.50	5BT	
25DN6	RE A	SIN	T12	HDA	RCO	GE	H	6.3	1500	770	230	18.0	130	46	9000	9900	9900	24.00	8.50	12GJ	
6JZ6	RE A	SIN	T12	HDA	RCO	GE	H	21.0	450	770	230	18.0	130	46	9000	9900	9900	24.00	9.50	12BJ	
21H85A	S	RE A	SIN	T12	HDA	RCO	GE	H	15.8	600	770	230	18.0	130	50	9100	11K	11K	22.00	9.00	12DR
21JZ6	S	RE A	SIN	T12	HDA	RCO	XTS	H	21.0	450	770	230	18.0	130	46	9000	9900	9900	24.00	8.50	12GD
6GY5	S	RE A	SIN	T12	HDA	RCO	GE	H	6.3	1500	770	230	18.0	130	50	9100	11K	11K	22.00	9.00	12DR
6HR5	S	RE A	SIN	T12	HDA	RCO	GE	H	6.3	1500	770	3500	18.0	130	50	9100	11K	11K	22.00	9.00	12RJ
6KE6	S	RE A	SIN	T12	HDA	RCO	RA	H	6.3	1500	770	230	18.0	130	50	9100	11K	11K	22.00	9.00	12GM
16GY5	S	RE A	SIN	T12	HDA	RCO	GE	H	15.8	600	770	230	18.0	130	50	9100	11K	11K	22.00	9.00	12DR
16KA6	S	RE A	SIN	T12	HDA	RCO	XTS	H	15.8	600	770	230	18.0	130	50	9100	11K	11K	23.00	8.50	12GH
21HRS	S	RE A	SIN	T12	HDA	RCO	GE	H	21.0	450	770	3500	18.0	130	50	9100	11K	11K	22.00	9.00	12BJ
21JV6	S	RE A	SIN	T12	HDA	RCO	GE	H	21.0	450	770	230	18.0	130	50	9100	11K	11K	22.00	9.00	12FJ
21KA6	S	RE A	SIN	T12	HDA	RCO	GE	H	33.0	300	770	230	18.0	130	50	9100	11K	11K	23.00	8.50	12GH
33JV6	S	RE A	SIN	T12	HDA	RCO	GE	H	15.8	600	770	230	18.0	130	50	9100	11K	11K	22.00	9.00	12FK
6CA5	RE A	SIN	T5	PA	SRC	GE	H	6.3	1200	130	5.0	125	37	9200	15K	15K	15.00	9.00	7CV		
12CA5	RE A	SIN	T5	PA	SRC	GE	H	12.6	600	130	5.0	125	37	9200	15K	15K	15.00	9.00	7CV		
17CA5	RE A	SIN	T5	PA	SRC	SY	H	16.8	450	130	5.0	125	37	9200	15K	15K	15.00	9.00	7CV		
21LR8	RE A	SIN	T12	VDA	RCO	SY	H	21.0	450	400	75	14.0	135	56	9300	12K	12K	16.00	9.00	9GT	
6KM6	S	RE A	SIN	T12	HDA	RC	H	6.3	1600	770	275	20.0	140	80	9500	6000	6000	22.00	9.00	9QL	

CHARACTERISTIC LISTING - CONTINUED

BFAM SINGLE
-CONTINUED-

TUNEF TYPE NUMBER	CONE	KIND	TYPE	RULB	USF	CHAR	RFG	K	TYPICAL FILAMENT V			MAXIMUM PLATE CHARACTERISTICS V MA W			TYPICAL CHARACTERISTICS			CAPACITANCE PF OF FARADS IN OUT	EIA BASF NO.		
									V	MA	W	V	MA	W	E _R	I _R	G _M	MU	R _P		
6KV6	S	REA	SIN	T12				RC	H	6.3	1600	770	275	20.0	140	80	9500	6000	22.00	9.00	90U
17KV6		REA	SIN	T12				RC	H	16.8	600	770	275	20.0	140	80	9500	6000	22.00	9.00	90U
22KF6		REA	SIN	T12	HDA	RCD	SY	H	22.4	450	770	275	20.0	140	80	9500	6000	22.00	9.00	90L	
50FF5		REA	SIN	T9	AFA	RCD	GE	H	50.0	175	150	175	14.5	130	88	9500	8000	15.00	9.00	8K8	
6JF6A		REA	SIN	T12	HDA	HIP	RC	H	6.3	2500	990	350	30.0	175	130	9600	9600	22.00	11.00	90L	
24JF6A		REA	SIN	T12	HDA	HIP	RC	H	24.0	600	990	350	30.0	175	130	9600	9600	22.00	11.00	90L	
6HJ5		REA	SIN	T12	HDA	RCD	RA	H	6.3	2250	770	280	24.0	135	65	10000	5000	5000	5000	12ES	
6HJ5	S	REA	SIN	T12	HDA	RCD	RA	H	6.3	225	770	1000	24.0	135	80	10000	5000	5000	5000	12FL	
21HJ5		REA	SIN	T12	HDA	RCD	RA	H	21.5	600	770	280	24.0	135	65	10000	5000	5000	5000	12ES	
21HJ5		REA	SIN	T12	HDA	RCD	RA	H	21.5	600	770	1000	24.0	135	80	10000	5000	5000	5000	12FL	
28HD5		REA	SIN	T12	HDA	RCD	RA	H	28.0	450	770	280	24.0	135	65	10000	5000	5000	5000	12FS	
30HJ5		REA	SIN	T12	HDA	RCD	RA	H	30.0	450	770	1000	24.0	135	80	10000	5000	5000	5000	12FL	
6JF6	S	REA	SIN	T12	HDA	HIP	RC	H	6.3	1600	770	275	17.0	130	80	10000	12K	22.00	9.00	90L	
6JF6A		REA	SIN	T12	HDA	RCD	RC	H	6.3	1600	770	275	17.0	130	80	10000	12K	22.00	9.00	90U	
17JF6A		REA	SIN	T12	HDA	RCD	RC	H	16.8	600	770	275	17.0	130	80	10000	12K	22.00	9.00	90U	
22JF6	S	REA	SIN	T12	HDA	HIP	RC	H	22.0	450	770	275	17.0	130	80	10000	12K	22.00	9.00	90L	
22JF6A	S	REA	SIN	T12	HDA	RCD	RC	H	22.0	450	770	275	17.0	130	80	10000	12K	22.00	9.00	90U	
7867	S+	REA	SIN	T12	PA	RCD	#TS	H	6.3	2500	700	220	24.0	250	81	10000	12K	22.00	8.50	5BT	
2FS5		REA	SIN	T12	RFA	SCO	GE	H	2.4	600	300	20	3.2	275	10	10000	240K	4.80	2.00	7GA	
3FS5		REA	SIN	T12	RFA	SCO	GE	H	2.9	450	300	20	3.2	275	10	10000	240K	4.80	2.00	7GA	
6FS5		REA	SIN	T5	RFA	SCO	GE	H	6.3	200	300	20	3.2	275	10	10000	240K	4.80	2.00	7GA	
7591A		REA	SIN	T9	PA	RCD	WH	H	6.3	800	550	90	19.0	300	75	10200	29K	10.00	5.00	8K0	
7514	C+	REA	SIN	T9	PA	RCD	#RE	H	6.3	600	330	40	10.0	30	30	10500	5500	15.00	13.00	8JC	
6D05		REA	SIN	T12	PA	RCD	#TS	H	6.3	2500	900	1000	24.0	175	110	10500	5500	23.00	11.00	8JC	
7695	S	REA	SIN	T9	PA	RCD	SY	H	50.0	150	150	150	16.0	130	108	11000	7000	14.00	9.00	9PX	
7754	S	REA	SIN	T9	PA	RCD	SY	H	6.3	1200	150	160	16.0	130	108	11000	7000	14.00	9.00	9PX	
6HF5		REA	SIN	T12	HDA	RCD	SY	H	6.3	2250	990	1100	28.0	175	125	11300	5600	24.00	10.00	12FB	
6JS6A		REA	SIN	T12	HDA	RCD	AM	H	12.6	1125	990	315	28.0	175	125	11300	5600	24.00	10.00	12FY	
12JS6		REA	SIN	T12	HDA	RCD	SY	H	23.6	600	990	315	28.0	175	125	11300	5600	24.00	10.00	12FY	
23JS6A		REA	SIN	T12	HDA	RCD	MT	H	50.0	150	275	220	13.0	100	14000	5000	17.50	8.00	8MG		
31JS6A		REA	SIN	T12	HDA	RCD	SY	H	31.5	450	990	315	28.0	175	125	11300	5600	24.00	10.00	12FY	
6BQ5		REA	SIN	T6	PA	SRC	SY	H	6.3	760	300	65	12.0	250	50	11300	38K	10.80	6.50	9CV	
AB05		REA	SIN	T6	PA	SRC	AM	H	6.0	600	300	65	12.0	250	50	11300	38K	10.80	6.50	9CV	
10H05		REA	SIN	T6	PA	SRC	SY	H	10.6	450	300	65	12.0	250	50	11300	38K	10.80	6.50	9CV	
50JY6		REA	SIN	T9	HDA	RCD	MT	H	50.0	150	275	220	13.0	100	14000	5000	17.50	8.00	8MG		
2GU5		REA	SIN	T5	RFA	SCO	GE	H	2.4	600	300	20	3.0	275	10	15500	165K	7.00	3.20	7GA	
3GU5		REA	SIN	T5	RFA	SCO	GE	H	3.1	450	300	20	3.0	275	10	15500	165K	7.00	3.20	7GA	
6GU5		REA	SIN	T5	RFA	SCO	GE	H	6.3	300	220	30	3.0	275	10	15500	165K	7.00	3.20	7GA	
6KN6		REA	SIN	T12	HDA	RCD	SY	H	6.3	770	400	30.0	130	100	16000	4000	44.00	18.00	12GU		
42KN6		REA	SIN	T12	HDA	RCD	SY	H	42.0	450	770	400	30.0	130	100	16000	4000	44.00	18.00	12GU	

CHARACTERISTIC LISTING - CONTINUED

TUBE NUMBER	CONE	KIND	TYPE	RULS	USE	TURE CHAR	REG	K	TYPICAL FILAMENT CHARACTERISTICS			MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			EIA BASE NO.	
									V	MA	W	V	MA	W	E _R	I _R	G _M	R _P	
BEAM SINGLE																			
6HLS	REA	SIN	T6	PA	HIP	WH	WH	6.3	950	33n	110	12.0	13n	70	17000	7500	90W	90W	
12HLS	REA	SIN	T6	PA	HIP	WH	WH	12.6	450	33n	110	12.0	13n	70	17000	7500	90W	90W	
6NHLS	REA	SIN	T6	PA	HIP	WH	WH	60.0	100	33n	110	12.0	13n	70	17000	7500	90W	90W	
6HSS	REA	SIN	T12	REG	SRC	GE	H	6.3	1500	5K	325	30.0	3K	300	65000	4600	24.00	6.50	
BEAM TWIN																			
26A7GT	REA	TWN	T9	PA	SRC	RC	RC	26.5	600	50	100	2.0	26	20	5700	16.00	13.00	8BU	
8358	REA	TWN	T6	UHF	RCC	MT	MT	1.9	3150	25n	100	7.5	180	50	10000	8.00	2.00	9QR	
BEAM MISC.																			
3BN6	GTR	SIN	T5	DIS	GE	H	3.2	600	300	12	121	440U	4.20	4.20	7DF	7DF	4.20	4.20	
4BN6	GTR	SIN	T5	DIS	GE	H	4.2	450	300	12	121	440U	4.20	4.20	7DF	7DF	4.20	4.20	
6BN6	GTR	SIN	T5	DIS	GE	H	6.3	300	300	12	121	440U	4.20	4.20	7DF	7DF	4.20	4.20	
12BN6A	GTR	SIN	T5	DIS	SY	H	12.6	150	300	12	121	440U	4.20	4.20	7DF	7DF	4.20	4.20	
6J10	S	GTR	PND	T9	DIS	GE	H	6.3	950	330	13	270	440U	4.00	4.00	12BT	12BT	4.00	4.00
13J10	S	GTR	PND	T9	DIS	GE	H	13.2	450	330	13	270	440U	4.00	4.00	12BT	12BT	4.00	4.00
6Z10	S	GTR	PND	T9	DIS	GE	H	6.3	950	330	13	135	5	400	4.40	4.40	12BT	12BT	
13Z10	S	GTR	PND	T9	DIS	GE	H	13.2	450	330	13	135	5	400	4.40	4.40	12BT	12BT	
17AR10	S	GTR	PND	T9	DIS	GE	H	16.8	450	330	13	135	5	400	4.40	4.40	12BT	12BT	
6AD10	GTH	PND	T9	AFA	RC	H	6.3	1050	275	10.0	250	35	6500	100K	11.00	11.00	12EZ	12EZ	
6JH8	S	SHR	SIN	T6	DET	SRC	GE	H	6.3	300	33n	3.0	250	14	9DP	9DP	5.00	5.00	
6AR8	S	SHR	SIN	T6	DET	SRC	GE	H	6.3	300	300	2.0	250	10	4000	4000	4.40	4.40	
6HW8	S	SHR	SIN	T6	DET	SRC	GE	H	6.3	300	330	2.0	250	13	4000	4000	4.40	4.40	
6HE8	S	SHR	SIN	T6	DET	SRC	GE	H	6.3	300	400	3.0	250	14	4400	4400	6.00	6.00	

CHARACTERISTIC LISTING - CONTINUED

TURF TYPE NUMBER	CODE	KIND	TYPF	HULB	USE	TUBE CHAR	REG	K	TYPICAL FILAMENT TYPE			MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			EIA BASE NO.		
									V	W	A	V	W	A	E _B	I _B	G _M	R _P	R _O	
BEAM TYPE WITH TRIODE																				
16GK8	REA	TRI	T6	VDA	RCO	AE	H	16.0	300	500	75	7.0	250	46	7100	12K	11.00	7.00	9JE	
17J78	REA	TRI	T9	PA	RCO	GE	H	16.8	450	25n	70	7.0	120	49	7500	10K	12.00	6.50	12DZ	
56R9	REA	TRI	T9	VDA	SRC	RC	H	42.0	150	65	6.5	120	39	8400	135	18K	2.60	12EN		
6KY8	REA	TRI	T9	VDA	SRC	RC	H	6.3	1100	300	60	12.0	135	39	8400	18K	2.60	0.28	90T	
15KY8	REA	TRI	T9	VDA	SRC	RC	H	15.0	450	300	60	12.0	135	39	8400	18K	2.60	0.28	90T	
6LR8	REA	TRI	T12	VDA	RCO	SY	H	6.3	1500	400	75	14.0	135	56	9300	12K	16.00	9.00	90T	
10JY8	REA	TRI	T6	VHF	SRC	GE	H	10.5	450	330	5.0	200	24	11000	55K	10.00	4.60	9DX		
23Z9	REA	TRI	T9	VHF	SRC	GE	H	23.0	450	250	7.0	120	46	7100	12K	12.00	7.00	12FT		
PIENTODE SINGLE																				
7727	PND	SIN	T3	EL	SCO	RE	F	1.2	8	12	16	0.8	100	6	120K	120K	4.30	3.50	FL	
8517	+ S+	PND	SIN	T3	OSC	XTS	F	6.3	150	165	8	1.7	150	4	140K	140K	5.50	3.80	6BX	
3V4WA	PND	SIN	T5	PA	SRC	XNU	F	1.2	100	90	380	300	4.8	250	16	150K	150K	7.50	3.80	7EN
5GX6	PND	SIN	T5	AF4	SCO	XTS	H	4.7	60	300	380	300	4.8	250	16	150K	150K	7.50	3.80	7CV
6G75	PND	SIN	T5	AF4	SCO	XTS	H	6.3	380	300	380	300	4.8	250	16	150K	150K	7CV	FL	
5H39	S	PND	SIN	T3	EL	SCO	RA	F	1.2	8	45	300U	12	4U	10	8M	2.20	2.20	FL	
5H56	S	PND	SIN	T3x2	FL	SCO	RA	F	1.2	10	22	300U	8	6U	14	560U	500	3.50	3.85	FL
6H32	S	PND	SIN	T3	GA	SCO	RA	F	1.2	20	68	2	45	650U	600	700K	700K	FL		
608R	S	PND	SIN	T3x2	PA	SCO	RA	F	1.2	20	68	2	45	650U	600	700K	700K	FL		
3DT6A	S	PND	SIN	T5	DET	SCO	RC	H	3.2	600	330	1.7	150	1	800	150K	5.80	7EN		
4DT6A	S	PND	SIN	T5	DET	SCO	RC	H	4.2	450	330	1.7	150	1	800	150K	5.80	7EN		
6DT6A	S	PND	SIN	T3x2	RFA	SCO	RA	F	1.2	40	90	2	68	750U	800	2M	3.50	4.50		
1AH4	S	PND	SIN	T3x2	RFA	SCO	RA	F	1.2	20	90	1	68	750U	800	2M	3.50	4.50		
1AK4	S	PND	SIN	T5	VA	SCO	XTS	F	1.2	50	135	2	0.2	90	2	1000	400K	4.00	4.00	
1AU4A	S+	PND	SIN	T5	VA	SRC	RC	H	6.3	150	300	1.2	250	2	1000	2M	2.70	2.40	6AR	
1T4WA	S+	PND	SIN	T5	IFA	SRC	RA	F	1.2	50	100	5	0.4	90	4	900	170K	3.80	6.50	
1L4	S	PND	SIN	T5	RF4	SCO	RC	F	1.4	50	110	6	90	3	900	600K	5.60	7EN		
7561	S	PND	SIN	T9	PA	SCO	TE	H	25.0	300	350	150	13.0	250	51	1000	5000	3.50	7S	
6611	S	PND	SIN	T3x2	RFA	SCO	RA	F	1.2	20	50	2	0.1	30	1	1000	400K	4.00	4.00	
5879	S	PND	SIN	T6	VA	SCO	RC	H	6.3	150	300	1.2	250	2	1000	2M	2.70	2.40	9AD	
25E5	S	PND	SIN	T9	VA	RCO	MT	H	25.0	300	250	200	10.0	170	100	1100	5500	18.00	8.00	
20FF5	S	PND	SIN	T3x2	RF4	RCO	MT	H	50.0	150	250	200	10.0	170	100	1100	5500	18.00	8.00	
5678	S	PND	SIN	T9	VA	SCO	XHY	H	6.3	300	300	0.8	250	2	1200	1M	3.30	3.80	FL	
6U7iT	S	PND	SIN	M18	VA	SCO	RC	H	6.3	300	250	2	250	2	1200	1M	4.60	12.00	7R	
1K20	S+	PND	SIN	M18	VA	SCO	RC	H	6.3	300	250	2	250	2	1200	1M	7.00	12.00	7R	

CHARACTERISTIC LISTING - CONTINUED

TYPE NOMENCLATURE	CODE	KIND	TYPE	USE	TUBE CHAR	RFG	K TYPEF	TYPICAL PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			CAPACITANCE PICOFARADS IN OUT					
								V	MA	W	V	MA	W	V	MA	W			
Prontone Single																			
6738	*	PND	SIN	T3	AFA	SCO	SY	H	6.3	175	250	0.5	100	800U	1200	1M	2.50	3.20	
334	S	PND	SIN	T5	PA	SRC	RC	F	2.8	50	90	12	68	6	1400	100K	4.00	7BA	
8522	+	PND	SIN	T3	UHF	XTS	H	6.3	150	165	0.7	100	4	1400	320K	4.00	8DC		
6F15	S+	PND	SIN	T5	IFA	SCO	RA	H	6.3	330	30	7	13	1	1400	500K	5.50	7BK	
12B16	S	PND	SIN	T5	RFA	SCO	XTS	H	12.6	150	30	20	13	1	1400	500K	5.50	4.80	
924	PND	SIN	ACO	RFA	SCO	RC	H	6.3	150	250	0.5	250	2	1400	1M	3.40	3.00		
9011	PND	SIN	T5	DET	SCO	RC	H	6.3	150	250	0.5	250	2	1400	1M	3.60	3.00		
6996	PND	SIN	T3x2	PA	SCO	RA	F	2.6	50	145	7	0.8	68	4	1600	700K	5.30	FL	
6K75T	SIN	T9	VA	RCA	XHY	H	6.3	300	300	2.8	250	3	1600	600K	4.60	12.00			
ASJ/LxT	S+	PND	SIN	MTH	RFA	RC	H	6.3	300	300	2.5	250	3	1600	1M	6.00	7.00		
12S17	S	PND	SIN	T9	RFA	SCO	RC	H	12.6	150	300	2.5	250	3	1600	1M	6.00	7.00	
5693	S+	PND	SIN	MTR	VA	SCO	RC	H	6.3	300	300	10	2.0	250	3	1600	1M	3.40	3.00
926	SIN	MTR	ACO	RFA	RCA	RC	H	6.3	150	250	1.7	250	7	1800	700K	5.30	5.88		
9103	S	PND	SIN	T5	RFA	RCA	RCA	H	6.3	150	250	1.7	250	7	1800	700K	3.40	3.00	
3A4	PND	SIN	T5	PA	RCA	RC	F	2.8	100	150	18	2.0	135	15	1900	90K	4.80	4.20	
6654	S	PND	SIN	T5	GA	SCO	WH	H	6.3	300	300	3.0	150	6	2000	50K	6.00	5.00	
3G4	S	PND	SIN	T5	PA	SRC	RC	F	2.8	50	90	12	90	8	2000	120K	6.00	7CM	
6B76	S	PND	SIN	T5	IFA	RCA	RA	H	6.3	300	300	14	3.0	250	9	2000	800K	4.30	7RA
ASL/14	S	PND	SIN	MTR	RFA	RCA	RA	H	6.3	300	330	3.3	250	9	2000	800K	5.00	7BK	
12B16	S	PND	SIN	T5	IFA	RCA	RCA	H	12.6	150	300	14	3.0	250	9	2000	800K	5.00	8N
12S17GT	S	PND	SIN	T9	RFA	RCA	XHY	H	12.6	150	300	4.0	250	9	2000	800K	5.00	7RK	
6137	S+	PND	SIN	MTR	RFA	RCA	GE	H	6.3	300	300	3.0	250	9	2000	800K	6.50	7.50	
5908	S	PND	SIN	T3	UHF	SCO	SY	H	26.5	150	55	10	2.6	180	15	2200	31K	5.00	8N
6AK6	S	PND	SIN	T5	PA	RCA	RC	H	6.3	150	300	375	11.0	250	36	2500	200K	3.60	7BK
6F1GT	S	PND	SIN	T9	PA	RCA	RC	H	6.3	700	375	11.0	250	36	2500	80K	4.20	7S	
6AJ5	S	PND	SIN	T5	UHF	SCO	WE	H	6.3	175	180	1A	1.7	28	3	2500	100K	4.00	2.10
6542	S	PND	SIN	T5	REG	SCO	XNU	H	6.3	150	4K	100	8.0	2K	4	2500	930K	3.95	7EQ
5910	S	PND	SIN	T3	UHF	SCO	SY	H	26.5	45	55	10	26	2	2800	150K	4.00	3.40	
5907	S	PND	SIN	T5	SY	SCO	SY	H	26.5	45	55	10	26	3	3000	100K	4.00	3.40	
6K12	S	PND	SIN	T3x2	RFA	SCO	RA	F	1.2	80	50	6	0.2	30	3	3000	180K	5.50	4.20
5725	S*	PND	SIN	T5	RFA	SCO	RA	H	6.3	175	200	20	1.6	120	5	3200	110K	3.90	3.00
5754WL	S*	PND	SIN	T3	VHF	SCO	RA	H	6.3	200	165	16	1.2	120	5	3200	110K	4.00	3.40
6137	S	PND	SIN	T5	RFA	SCO	RA	H	6.3	175	200	20	1.7	120	5	3200	110K	4.00	3.00
6AK6	S*	PND	SIN	T5	VA	SCO	WE	H	6.3	175	180	18	1.7	120	5	3200	110K	3.90	2.20
5C5K	S*	PND	SIN	T3	GA	SCO	SY	H	6.3	150	165	11	1.1	100	5	3200	110K	4.00	1.90
5916	S	PND	SIN	T3	GA	SRC	SY	H	26.5	45	165	11	1.1	100	5	3200	110K	4.00	3.40
H524	*	PND	SIN	T3	VA	SCO	TO	H	6.3	165	11	6	1.6	100	5	3200	110K	4.00	8DC
6944	S*	PND	SIN	ST16	RFA	SCO	SY	H	6.3	175	250	15	1.0	100	5	3200	280K	2.90	3.40
H37	H-76	PND	SIN	ST16	RFA	RC	H	12.6	700	500	40	12.0	500	30	3400	110K	16.00	6BM	
		PND	SIN	T5	AFN	SRC	RC	H	4.8	600	300	1.7	150	3	3400	110K	8.20	7EN	

CHARACTERISTIC LISTING - CONTINUED

TYPE NUMBER	CODE	IND	TYPF	RULB	USE: CHAR	TURE RFG	K TYPE	MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			CHARACTERISTICS			CAPACITANCE	
								V	MA	W	V	MA	W	V	MA	W	HMS	PICOFARADS IN OUT
SINGLE FRONT END																		
5H76			PND	SIN	T5	AFD	SRC	RC	H	6.3	450	300	3	340	110K	8.20	7EN	
501A			PNT	SIN	T5	VHF	SRC	RC	H	6.0	230	300	18	3500	7.00	5.00	7CU	
12U76			PND	SIN	T5	RFA	RCD	GE	H	12.6	190	16	5	3600	9.50	4.00	7BK	
6943	S+		PNT	SIN	T3	RFA	SRC	SY	H	6.3	175	250	15	100	3.0K	3.80	8DC	
6HJ6A	S		PNT	SIN	T5	RFA	RCD	*TS	H	6.3	150	300	3.0	250	1M	4.50	5.50	
6H02	S		PNT	SIN	T5	RFA	RCD	GE	H	6.3	150	330	3.3	250	9	3600	7CM	
6GX6	S		PNT	SIN	T5	VHF	SCO	RC	H	6.3	450	300	1.7	150	4	3700	140K	
6GY6	S		PNT	SIN	T5	RFG	SCO	NU	H	6.3	450	10K	4	3700	140K	7FN		
7234	S		PNT	SIN	T6	REG	SCO	AM	H	6.3	150	10K	8	12.0	1M	9KD	9EN	
76Y4	S+		PNT	SIN	T5	RFA	RCD	AM	H	6.3	150	330	17	3.3	250	9	3800	
26A6	S		PNT	SIN	T5	RFA	RCD	RC	H	26.5	70	250	3.0	250	10	4000	1M	
6H2	+ PNT	SIN	T3	VHF	SRC	RA	RC	H	6.3	200	165	16	1.1	120	8	4100	340K	
7653	S		PNT	SIN	T6	REG	SRC	VI	H	6.3	150	1K	20	15.0	800	12	4200	
12EKO	S		PNT	SIN	T5	RFA	SRC	SY	H	12.6	190	14	13	4	4200	400K	10.0	
5624	S*		PNT	SIN	T5	UHF	SRC	RA	H	6.3	175	200	20	1.6	150	7	4300	
1HG10A	S		PNT	SIN	T5	RFA	SRC	SY	H	18.0	100	150	2.5	100	5	4300	500K	
1HGW6A	S		PNT	SIN	T5	RFA	RCD	GE	H	18.0	100	150	2.5	100	11	4400	250K	
3H6	S		PNT	SIN	T5	RFA	RCD	GE	H	3.2	600	300	3.0	250	11	4400	1M	
4H6	S		PNT	SIN	T5	RFA	RCD	GE	H	4.2	450	300	3.0	250	11	4400	1M	
6H6	S		PNT	SIN	T5	RFA	RCD	RC	H	6.3	300	300	3.0	250	11	4400	1M	
12H6A	S		PNT	SIN	T5	RFA	RCD	SY	H	12.6	150	100	2.5	100	5	4400	500K	
5749	S*		PNT	SIN	T5	RFA	RCD	SY	H	12.6	150	300	3.0	250	11	4400	1M	
6650	S		PNT	SIN	T5	RFA	RCD	SY	H	6.3	300	330	3.0	250	11	4400	1M	
7496	S+		PNT	SIN	T5	RFA	RCD	ST	H	6.3	300	330	3.3	250	11	4400	1M	
5899	S*		PNT	SIN	T5	UHF	SRC	SY	H	6.3	150	165	16	1.1	100	7	4500	260K
6206	S		PNT	SIN	T5	UHF	SRC	SY	H	6.3	150	300	3.0	250	11	4400	1M	
6225	OHS		PND	SIN	T3	VA	SRC	*SO	H	6.3	300	300	3.0	250	11	4400	1M	
6529	+ PNT	SIN	T3	VHF	SRC	TO	RC	H	6.3	150	165	16	1.1	100	7	4500	1M	
8463	PND	SIN	T6	RFA	RCD	AM	F	1.1	1050	300	40	5.0	200	40	4500	260K		
3AU6	S		PND	SIN	T5	IFB	SRC	GE	H	3.2	600	300	3.0	250	8	4500	1M	
4AU6	S		PNT	SIN	T5	IFB	SRC	RC	H	4.2	450	300	3.0	250	8	4500	2M	
6AU6KH	S*		PND	SIN	T5	IFB	SRC	RC	H	6.3	175	300	3.3	250	8	4500	2M	
1AU6A	S		PND	SIN	T5	IFB	SRC	SY	H	12.6	150	300	3.0	250	8	4500	2M	
6BW6	S		PND	SIN	T5	RFA	SRC	RC	H	6.3	150	300	3.0	250	7	4600	1M	
6205	S+		PNT	SIN	T5	VA	SRC	GE	H	6.3	175	300	2.0	250	7	4600	1M	
6661	S		PNT	SIN	T5	RFA	SRC	GE	H	6.3	150	330	3.3	250	7	4600	1M	
7693	S+		PNT	SIN	T5	MT8	RFA	AM	H	6.3	150	330	15	2.6	250	7	4600	1M
6SG7	S		PND	SIN	T5	MT8	IFB	RC	H	12.6	150	300	3.0	250	12	4700	900K	
12G7	S		PND	SIN	T5	MT8	IFB	RC	H	12.6	150	300	3.0	250	12	4700	900K	
6SH7G1	S		PND	SIN	T9	RFA	SRC	*TS	H	6.3	300	300	3.0	250	11	4900	900K	

CHARACTERISTIC LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND TYPE	BULB	USE	TURE CHAR	REG	K TYPE	TYPICAL FILAMENT CHARACTERISTICS			MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			CAPACITANCE PICOFARADS IN OUT						
								V	MA	W	V	MA	W	E	B	T	A	M	R	P	U	M	H
PENTODE SINGLE -CONTINUED-																							
12SH7	S	PND	SIN	MT8	RFA	SCO	RC	H	12.6	150	300	3.0	250	11	4900	9000	8.50	7.00	88K				
5824	S	PND	SIN	T9	PA	RCA	GE	H	25.0	300	45	12.5	135	69	5000	15K			7S				
8414	*	PND	SIN	T3	VHF	SCO	SY	H	26.5	55	10	26	4	5000	50K			8DC					
6540	S+	PND	SIN	T3	VHF	SRC	RA	H	6.3	200	165	1.1	120	8	5000	150K	4.80	3.50	FL				
5840	S*	PND	SIN	T3	UHF	SRC	SY	H	6.3	150	165	1.1	100	8	5000	260K	4.00	1.90	8DE				
5906	S	PND	SIN	T3	UHF	SRC	SY	H	26.5	45	165	1.6	1.1	100	8	5000	260K	4.00	1.90	8DE			
6205	S	PND	SIN	T3	UHF	SRC	SY	H	6.3	150	165	1.6	1.1	100	8	5000	260K	4.00	1.90	8DC			
8530	*	PND	SIN	T3	RFA	SCO	TO	H	6.3	150	165	1.6	1.1	100	8	5000	260K	4.20	3.40	8DE			
GB1220/5654	*	PND	SIN	T5	GEN	SCO	SY	H	6.3	175	200	2.0	1.6	120	8	5000	300K	4.00	2.80	7BD			
408A	S+	PND	SIN	T5	GEN	SRC	SY	H	20.0	50	180	1.8	1.7	120	7	5000	340K	3.90	2.85	7BD			
5702WB	S*	PND	SIN	T3	VHF	SCO	RA	H	6.3	200	165	1.6	1.1	120	8	5000	340K	5.05	3.75	FL			
7083	S+	PND	SIN	T3	VHF	RA	RA	H	6.3	200	165	2.0	1.1	120	8	5000	340K	5.00	3.75	FL			
64R7	S	PND	SIN	MT8	RFA	SRC	RC	H	6.3	450	300	3.8	300	12	5000	700K	8.00	5.00	8N				
6AG5	S	PND	SIN	T5	VHF	SRC	RC	H	6.3	300	300	2.0	250	6	8000	800K	6.50	1.80	7BD				
6186	S	PND	SIN	T5	VHF	SRC	RA	H	6.3	300	330	2.5	250	7	5000	800K	6.50	1.80	7BD				
6AK5wB	S	PND	SIN	T5	UHF	SRC	WE	H	6.3	175	180	1.8	1.7	180	8	5100	500K	4.00	2.10	7BD			
6136	S+	PND	SIN	T5	RFA	SCO	GE	H	6.3	300	300	3.0	250	11	5200	1M	6.00	5.00	7BK				
7543	S+	PND	SIN	T5	IFA	SCO	SY	H	6.3	300	300	3.0	250	11	5200	1M	5.50	5.00	7BK				
3D21wB	*	PND	SIN	T5	VA	SCO	#HY	H	12.6	650	4K	15.0	600	30	5500	5500	6.50	2.00	7CM				
6DC6	S	PND	SIN	T5	ST14	SCO	RC	H	6.3	300	300	2.0	200	9	5500	500K	6.50	2.00	6BU				
3BC5	PND	SIN	T5	RFA	SRC	GE	GE	H	3.2	600	300	2.0	250	8	5700	800K	6.50	1.80	7BD				
4BC5	S	PND	SIN	T5	RFA	SRC	GE	H	4.2	450	300	2.0	250	8	5700	800K	6.50	1.80	7BD				
6BC5	S	PND	SIN	T5	RFA	SRC	#PL	H	3.4	600	550	2.5	250	8	5700	800K	6.50	1.80	7BD				
3AY7	S	PND	SIN	T6	PA	SCO	RE	H	3.4	600	300	2.0	250	8	6000	600K	6.50	1.80	9AQ				
3CR6	S	PND	SIN	T5	IFA	SCO	GE	H	3.2	600	300	2.3	200	10	6200	600K	6.50	2.00	7CM				
3CF6	S	PND	SIN	T5	IFA	SCO	RC	H	3.2	600	300	2.0	200	10	6200	600K	6.50	2.00	7CM				
4CR6	S	PND	SIN	T5	IFA	SCO	GE	H	4.2	450	300	2.3	200	10	6200	600K	6.50	2.00	7CM				
6CR6A	S	PND	SIN	T5	IFA	SCO	RC	H	6.3	300	300	2.3	200	10	6200	600K	6.50	2.00	7CM				
6CF6	S	PND	SIN	T5	IFA	SCO	RC	H	13.5	150	330	2.0	200	10	6200	600K	6.50	2.00	7CM				
7056	S	PND	SIN	T5	PA	SCO	RC	F	2.5	345	250	4.5	120	37	6900	600K	6.50	2.00	7CM				
8425A	S	PND	SIN	T5	GEN	SCO	GE	H	6.3	300	330	3.5	250	10	6200	1M	5.90	5.10	7BK				
8426A	S	PND	SIN	T5	GEN	SCO	GE	H	12.6	150	330	3.5	250	10	6200	1M	5.90	5.10	7BK				
3BX6	S	PND	SIN	T6	GEN	SCO	RE	H	3.4	600	550	2.5	250	10	6800	1M	5.90	5.10	7BK				
12BX6	S	PND	SIN	T6	GEN	SCO	RE	H	12.6	150	550	2.5	250	10	6800	650K	7.50	3.30	9AQ				
2DF4	S	PND	SIN	T6	PA	SCO	RC	H	2.5	345	250	50	50	120	37	6900	650K	7.50	5.50	9JL			
7498	*	PND	SIN	T5	RFA	SCO	ST	H	6.3	300	300	3.0	250	10	7600	1M	5.90	5.10	7BK				
3CF5	*	PND	SIN	T5	RFA	SCO	#PL	H	3.2	600	300	2.0	125	11	7600	300K	6.50	1.90	7BD				
6CE5	S	PND	SIN	T5	RFA	SCO	#HY	H	6.3	300	300	2.2	125	11	7600	300K	7.50	3.30	7BD				
4DE6	S	PND	SIN	T5	IFA	SRC	SY	H	4.2	450	330	2.3	125	11	8000	250K	7.50	3.30	7CM				
6DF6	S	PND	SIN	T5	IFA	SRC	#PL	H	6.3	300	330	2.3	125	11	8000	250K	6.50	2.00	7CM				

CHARACTERISTIC LISTING - CONTINUED

CHARACTERISTIC LISTING - CONTINUED

TUBE TYPE NUMBER	CONE	KIND	TYPF	BULB	USE	CHAR	TUBE TYPE	K FILAMENT TYPE	TYPICAL FILAMENT V	MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			CAPACITANCE PICOFARADS IN	EIA BASE NO.	
										V	MA	W	V	MA	W			
PENTODE SINGLE -CONTINUED-																		
3A76	PND	SIN	T5	IFA	RCO	SY	H	3.2	600	330	2.3	125	14	8000	260K	7.00	2.00	
4A76	S	PND	SIN	T5	IFA	RCO	H	4.2	450	350	2.3	125	14	6000	260K	7.00	2.00	
4JH6	S	PND	SIN	T5	IFA	SRC	SY	4.2	450	300	2.3	125	14	8000	260K	7.00	2.00	
6H76	S	PND	SIN	T5	IFA	RCO	SY	6.3	300	350	2.3	125	14	8000	260K	7.00	2.00	
6JH6	S	PND	SIN	T5	IFA	SRC	RC	6.3	300	300	2.3	125	14	8000	260K	7.00	2.00	
12B76	S	PND	SIN	T5	IFA	RCO	SY	12.6	150	330	2.3	125	14	8000	260K	7.00	2.00	
6676	S	PND	SIN	T5	IFA	SCO	GE	6.3	300	330	2.3	125	13	8000	280K	6.50	2.00	
4G75	*	PND	SIN	T5	AFA	TS	TA	4.0	600	300	4.8	250	13	8400	150K	8.50	3.80	
6AN5WA	S*	PND	SIN	T5	PA	SRC	RA	6.3	450	330	5.5	4.6	120	33	8500	9.00	5.50	7BD
5A47A	PND	SIN	T6	RFA	SCO	AM	H	6.3	300	200	4.0	3.3	150	4	8500	200K	7.20	3.15
8210	*	PND	SIN	T5	VHF	SCO	SY	6.5	125	165	1.6	1.1	100	8	8500	260K	4.80	3.80
6H76	S	PND	SIN	T5	GEN	RC	H	6.3	450	300	3.0	200	13	8500	500K	8.80	5.20	
19HR6	PND	SIN	T5	GEN	RC	RC	H	18.9	150	300	3.0	200	13	8500	500K	8.80	5.20	
8CW5	PND	SIN	T6	AFA	SRC	RE	H	8.0	600	275	1.10	14.0	200	60	8800	23K	9CV	9CV
15CW5	PND	SIN	T6	AFA	SRC	RE	H	15.0	300	250	1.00	12.0	200	60	8800	23K	9CV	9CV
50C45	PND	SIN	T3	AFA	SRC	RC	T0	30.0	150	250	1.00	12.0	200	60	8800	23K	9CV	9CV
5639	*	PND	SIN	T5	VHF	SRC	SY	6.3	450	165	4.0	4.0	150	21	9000	50K	9.00	4.60
7761	+	PND	SIN	T5	VHF	SRC	SY	26.5	110	165	4.0	4.0	150	20	9000	50K	8.00	4.60
8444	+	PND	SIN	T3	GEN	RC	H	6.3	125	165	1.7	1.1	100	6	9000	260K	5.20	3.80
6AH6WA	S*	PND	SIN	T5	IFA	SCO	RA	6.3	450	330	2.8	3.3	300	10	9000	500K	10.00	4.50
6485	S	PND	SIN	T5	IFA	SCO	RA	6.3	450	300	25	3.2	300	10	9000	500K	10.00	2.00
6AC7WA	S	PND	SIN	MTR	RFA	SCO	RC	6.3	450	300	3.0	300	10	9000	1M	11.00	5.00	
6154	S+	PND	SIN	T6	RFA	SCO	GE	6.3	450	300	3.0	300	10	9000	1M	11.00	5.00	
6FL7	PND	SIN	T6	AE	SCO	CG	H	6.3	300	250	3.0	170	10	9200	750K	8.50	3.30	
6FG5	PND	SIN	T5	VHF	SCO	GE	H	6.3	200	275	2.8	250	9	9500	100K	14.0	8AQ	
6HS6	S	PND	SIN	T5	GEN	RC	H	6.3	450	300	3.0	150	9	9500	500K	8.80	5.20	
19HS6	PND	SIN	T5	GEN	RC	RC	H	18.9	150	300	3.0	150	9	9500	500K	8.80	5.20	
6GK7	PND	SIN	T6	IFA	SCO	CG	H	6.3	300	350	2.8	270	8	9500	750K	8.50	3.30	
6145	PND	SIN	T9	VA	SCO	SY	H	6.3	600	300	10.0	150	34	9700	100K	14.0	8V	
8136	S	PND	SIN	T5	IFA	SCO	GE	6.3	300	330	2.2	125	11	9800	7.00	2.20	7GA	
3D16	PND	SIN	T5	IFA	SCO	WH	H	3.2	600	330	2.3	125	12	9800	350K	6.30	1.90	
4D16	S	PND	SIN	T5	IFA	SCO	WH	4.2	450	330	2.3	125	12	9800	350K	6.30	1.90	
6D16	S	PND	SIN	T6	VHF	SCO	RA	6.3	300	350	2.3	125	12	9800	350K	6.30	1.90	
6CW5	PND	SIN	T6	AFA	RCO	RE	H	6.3	760	275	1.10	14.0	170	70	10000	2.5K	12.00	6.00
10CW5	S	PND	SIN	T6	AFA	RCO	RC	10.6	450	275	1.10	14.0	170	70	10000	2.5K	12.00	6.00
7868	PND	SIN	T9	PA	HIP	RC	H	6.3	800	550	90	19.0	300	75	10200	29K	11.00	4.40
12D07	S	PND	SIN	T6	VHF	SRC	GE	12.6	500	330	6.5	200	26	10500	53K	10.00	3.80	
6H06	PND	SIN	T5	IFA	SRC	RV	H	6.3	300	350	2.4	125	15	10500	220K	7.80	2.20	
7499	+	PND	SIN	T6	VHF	SCO	ST	H	7.50	300	65	12.0	250	40	11000	12.00	12.50	5.00
6197	S	PND	SIN	T6	QNA	SRC	RC	6.3	650	300	50	7.5	250	30	11000	90K	11.50	5.00

CHARACTERISTIC LISTING - CONTINUED

PENTONE
SINGLE
-CONTINUED-

TURF TYPE NUMBER	CONE	KIND	TYPE	BULB	USF	TUBE CHAR	REG TYPE	K TYPICAL FILAMENT V	MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			CAPACITANCE					
									V	A	W	E _R V	I _R MA	G _M UMHO	R _P OHMS	PICOFARADS IN	OUT			
12BY7A	S	PND	SIN	T6	VHF	SRC	GE	H	12.6	300	300	6.5	250	2.6	11000	93K	10.20	3.50		
8448	S	PND	SIN	T6	VHF	SRC	#TS	H	13.5	260	330	6.5	250	2.6	11000	93K	10.20	3.50		
6AG7	S	PND	SIN	MT8	PA	SRC	RC	H	6.3	650	300	9.1	300	3.0	11000	130K	13.00	7.50		
6CL6	S	PND	SIN	T6	PA	SRC	RC	H	6.3	650	300	7.5	250	3.1	11000	150K	11.00	5.50		
6677	S	PND	SIN	T6	PA	SRC	GE	H	6.3	650	330	8.5	250	3.1	11000	150K	11.00	5.50		
6GK6	S	PND	SIN	T6	AFA	SRC	SY	H	6.3	760	250	65	13.2	250	4.8	11300	38K	10.00	7.00	
8GK6	S	PND	SIN	T6	AFA	SRC	SY	H	8.0	600	440	13.2	250	4.8	11300	38K	10.00	7.00		
10GK6	S	PND	SIN	T6	AFA	SRC	SY	H	10.6	450	440	13.2	250	4.8	11300	38K	10.00	7.00		
16GK6	S	PND	SIN	T6	AFA	SRC	SY	H	16.0	300	440	13.2	250	4.8	11300	38K	10.00	7.00		
29GK6	S	PND	SIN	T6	AFA	SRC	RA	H	28.6	150	440	13.2	250	4.8	11300	38K	10.00	7.00		
8327	S	PND	SIN	T6	PA	SRC	RA	H	6.3	760	450	72	13.2	250	4.8	11300	38K	10.00	6.50	
71894	S	PND	SIN	T6	PA	RCD	AM	H	6.3	760	400	65	12.0	250	4.8	11300	40K	10.80	6.50	
7054	S	PND	SIN	T6	PA	SRC	RC	H	13.5	275	330	5.0	250	1.9	11500	100K	10.20	3.50		
8077	S	PND	SIN	T6	PA	SRC	RC	H	13.5	275	330	5.0	250	1.9	11500	100K	10.20	3.50		
35EH5	S	PND	SIN	T5	PA	SRC	SY	H	35.0	150	150	5.0	110	3.2	12000	14K	17.00	9.00		
50EH5A	S	PND	SIN	T5	PA	SRC	SY	H	50.0	150	150	5.0	110	3.2	12000	14K	17.00	9.00		
3EH7	S	PND	SIN	T6	IFA	RE	RE	H	3.4	600	500	2.5	12500	500K	500K	500K	500K	9AQ	9AQ	
4EH7	S	PND	SIN	T6	IFA	RE	RE	H	4.4	450	500	2.5	12500	500K	500K	500K	500K	9AQ	9AQ	
6EH7	S	PND	SIN	T5	IFA	RE	RE	H	6.3	300	250	2.0	200	2.5	12500	12K	17.00	9.00		
50FK5	S	PND	SIN	T5	IFA	GE	GE	H	50.0	100	150	5.0	110	5.0	12800	32	12800	14K	17.00	9.00
7995	S	PND	SIN	T6	VHF	SRC	#PL	H	12.6	300	300	6.2	250	2.7	13000	85K	11.00	3.00		
4GM6	S	PND	SIN	T3	RFA	SCO	RA	H	6.3	250	200	3.0	1.6	1.50	8	13000	85K	8.50	2.75	
5GM6	S	PND	SIN	T5	IFA	SRC	RC	H	4.2	600	330	3.1	125	1.4	13000	200K	10.00	2.40		
6GM6	S	PND	SIN	T5	IFA	SRC	RC	H	5.6	450	330	3.1	125	1.4	13000	200K	10.00	2.40		
12BV7	S	PND	SIN	T6	VHF	SRC	RA	H	12.6	300	300	6.2	250	2.7	13000	85K	11.00	3.00		
7995	S	PND	SIN	T3	RFA	SCO	RA	H	6.3	250	200	3.0	1.6	1.50	8	13000	85K	8.50	2.75	
3JN6	S	PND	SIN	T5	IFA	SCO	RC	H	12.6	450	150	5.5	110	3.5	13500	18K	17.00	9.00		
6NFX5	S	PND	SIN	T6	IFA	SCO	WH	H	6.0	100	150	5.5	110	3.5	13500	143K	143K	9FM		
3HT6	S	PND	SIN	T6	IFA	SCO	WH	H	4.2	600	250	2.5	125	1.5	14000	143K	143K	9FM		
4HT6	S	PND	SIN	T6	IFA	SCO	WH	H	4.2	450	250	2.5	125	1.5	14000	143K	143K	9FM		
6HT6	S	PND	SIN	T6	IFA	SCO	WH	H	6.3	300	250	2.5	125	1.5	14000	143K	143K	9FM		
3JN6	S	PND	SIN	T6	IFA	SCO	RC	H	12.6	600	330	2.5	125	1.5	14000	160K	8.20	3.00		
4JN6	S	PND	SIN	T6	IFA	SCO	RC	H	4.5	450	330	2.5	125	1.5	14000	160K	8.20	3.00		
6JD6	S	PND	SIN	T5	IFA	SCO	RC	H	6.3	300	330	2.5	125	1.5	14000	160K	8.20	3.00		
4EW6	S	PND	SIN	T5	IFA	SCO	GE	H	4.2	600	330	3.1	125	1.1	14000	200K	10.00	2.40		
5EW6	S	PND	SIN	T5	IFA	SCO	RC	H	5.6	450	330	3.1	125	1.1	14000	200K	10.00	2.40		
6EW6	S	PND	SIN	T5	IFA	SCO	GE	H	6.3	400	330	3.1	125	1.1	14000	200K	10.00	2.40		
15EW6	S	PND	SIN	T5	IFA	SCO	GE	H	15.0	330	330	3.1	125	1.1	14000	200K	10.00	2.40		
6EH5	S	PND	SIN	T5	PA	SCO	RC	H	6.3	1200	1350	5.0	110	42	14600	11K	17.00	9.00		
25EH5	S	PND	SIN	T5	PA	SCO	RC	H	25.0	300	1350	5.0	110	42	14600	11K	17.00	9.00		
50HE6	S	PND	SIN	T5	PA	SCO	GE	H	50.0	150	150	5.5	110	42	14600	11K	17.00	9.00		

CHARACTERISTIC LISTING • CONTINUED

TUBE TYPE NUMBER	CONE	KIND	TYPE	BULB	USE	TUBE CHAR	RFG	K	TYPICAL FILAMENT V	MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			CAPACITANCE PICOFARADS IN	CAPACITANCE PICOFARADS OUT	EIA BASE NO.		
										V	MA	W	ER	IR MA	GM UMHO	MU				
PENTODE																				
SINGLE																				
-CONTINUED-																				
3HM6	S	PND	SIN	T6	IFA	SCO	IFA	WH	3.2	600	250	25	2.5	125	1.3	15000	156K	8.70	2.10	
4HM6		AND	SIN	T6	IFA	SCO	IFA	WH	4.2	450	250	25	2.5	125	1.3	15000	156K	8.70	2.10	
6HM6		PND	SIN	T6	VHF	SRC	VHF	WH	6.3	300	250	25	2.5	125	1.3	15000	156K	8.70	2.10	
3JC6	S	PND	SIN	T6	IFA	SCO	IFA	RC	3.5	600	330	2.5	2.5	125	1.3	15000	180K	8.20	3.00	
3EZ7	S	PND	SIN	T6	IFA	SCO	IFA	RE	3.4	600	550	2.5	2.5	125	1.3	15000	350K	9.00	9AO	
4EZ7		PND	SIN	T6	IFA	RE	IFA	RE	4.4	450	550	25	2.5	200	1.0	15000	350K	10.00	3.00	
6EZ7		PND	SIN	T6	IFA	RE	IFA	RE	6.3	300	250	25	2.5	200	1.0	15000	350K	10.00	3.00	
8211	+ S	PND	SIN	T3	VHF	SRC	SY	SY	6.3	360	330	4.0	4.0	150	1.7	15500	65K	12.00	8.00	
4JL6		PND	SIN	T5	IFA	SCO	SY	SY	3.7	600	275	22	2.5	125	1.2	15500	120K	9.30	2.70	
5JL6	S	PND	SIN	T5	IFA	SCO	SY	SY	4.9	450	275	22	2.5	125	1.2	15500	120K	9.30	2.70	
6JL6	S	PND	SIN	T5	IFA	SCO	SY	SY	6.3	350	275	22	2.5	200	1.0	15500	120K	9.30	2.70	
3JC6A	S	PND	SIN	T6	IFA	SCO	RC	RC	3.5	600	330	3.1	125	1.2	16000	180K	8.50	3.00		
4JC6A	S	PND	SIN	T6	IFA	SCO	RC	RC	4.5	450	330	3.1	125	1.2	16000	180K	8.50	3.00		
6JC6A	S	PND	SIN	T6	IFA	SCO	RC	RC	6.3	300	330	3.1	125	1.2	16000	180K	8.50	3.00		
6JN4A	+ S	PND	SIN	T6	VHF	SCO	RA	RA	6.3	300	210	25	2.7	190	1.3	16500	90K	7.50	3.00	
7737	+ S	PND	SIN	T5	GEN	AM	AM	AM	6.3	320	210	25	3.0	190	1.3	16500	100K	7.60	0.03	
6FN5		PND	SIN	T6	HDA	RCD	C1	RC	6.3	1650	700	16.0	100	17000	16000	180K	25.00	11.00	BGD	
55FNS		PND	SIN	T12	HDA	RCD	C1	RC	35.0	300	250	700	16.0	100	17000	16000	180K	25.00	11.00	8GD
50HN5		PND	SIN	T6	AFA	SRC	WH	50.0	150	330	120	12.0	130	7.0	17000	7500	150K	9.50	2.70	9QW
4JK6		PND	SIN	T5	IFA	SCO	SY	SY	3.7	600	275	22	2.5	125	1.2	18000	150K	9.50	2.70	7QH
5JK6		PND	SIN	T5	IFA	SCO	SY	SY	4.9	450	275	22	2.5	125	1.2	18000	150K	9.50	2.70	7QH
6JK6		PND	SIN	T5	IFA	SCO	SY	SY	6.3	350	275	22	2.5	125	1.2	18000	150K	9.50	2.70	7QH
3KT6	S	PND	SIN	T6	IFA	SRC	RC	RC	3.5	600	330	3.1	125	1.2	18000	160K	9.50	3.00	9PQ	
4KT6	S	PND	SIN	T6	IFA	SRC	RC	RC	4.5	450	330	3.1	125	1.2	18000	160K	9.50	3.00	9PQ	
6KT6	S	PND	SIN	T6	IFA	SRC	RC	RC	6.3	300	330	3.1	125	1.2	18000	160K	9.50	3.00	9PQ	
6HA6		PND	SIN	T6	PA	SCO	RA	RA	6.3	710	300	8.0	150	200	1.2	18000	200	13.00	6.00	
6HA6		PND	SIN	T6	PA	SCO	RA	RA	8.0	600	300	8.0	150	200	1.2	18000	200	13.00	6.00	
10HA6		PND	SIN	T6	PA	SCO	RA	RA	10.4	450	300	8.0	150	200	1.2	18000	200	13.00	6.00	
15HA6		PND	SIN	T6	PA	SCO	RA	RA	15.0	300	300	8.0	150	200	1.2	18000	200	13.00	6.00	
28HA6		PND	SIN	T6	PA	SCO	RA	RA	28.6	150	300	8.0	150	200	1.2	18000	200	13.00	6.00	
6H16		PND	SIN	T6	VDA	SRC	RA	RA	6.3	760	350	10.0	250	40	20000	200	13.00	6.00		
15H16	S	PND	SIN	T6	VDA	SRC	RC	RC	14.7	300	350	10.0	250	40	20000	200	13.00	6.00		
12HL7		PND	SIN	T6	RFA	SCO	SY	SY	12.6	300	400	10.0	250	25	21000	55K	15.00	6.00		
9KC6	S	PND	SIN	T6	CH	SCO	SY	SY	8.7	450	400	7.0	250	1.6	24000	55K	16.50	3.00		
6KY6		PND	SIN	T6	RFA	SCO	RC	RC	6.3	520	330	9.0	200	30	30000	40K	14.00	6.00		
7KY6		PND	SIN	T6	RFA	SCO	RC	RC	7.3	450	330	9.0	200	30	30000	40K	14.00	6.00		
11H17		PND	SIN	T6	VHF	SCO	RC	RC	11.0	500	330	7.0	200	30	30000	40K	14.00	5.00		
12H17	S	PND	SIN	T9	VHF	SCO	RC	RC	12.6	260	400	10.0	300	31	32000	60K	14.00	5.00		
6JL6		PND	SIN	T6	VHF	SCO	SY	SY	6.3	600	400	11.5	250	2P	36000	50K	16.00	5.00		
12G\7A		PND	SIN	T6	VHF	SCO	SY	SY	12.6	300	400	11.5	250	28	36000	50K	17.50	4.00		

CHARACTERISTIC LISTING - CONTINUED

TYPE NUMBER	CODE	KIND	TYPE	RULB	USF	TURE CHAR	REG	K	TYPICAL FILAMENT TYPE	MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			CAPACITANCE			
										V	MA	W	E _R	I _B	G _M	W _U	R _P		
PENTODE																			
SINGL _E		-CONTINUE-																	
8233	+	PNT	SIN	T9	GEN	MU	H	6.3	300	400	75	10.0	125	50	45000	18.00	4.00	9PZ	
7738	+	PNT	SIN	T6	VHF	SCO	A _M	H	6.3	340	250	50	5.0	135	35	50000	3.50	16.00	
PENTODE																			
3H5B	S	PNT	T _W N	T6	SCO	GE	H	3.2	300	300	12	1.1	100	2	1100	9FG			
4H5B	S	PNT	T _W N	T6	SCO	GE	H	4.2	450	300	12	1.1	100	2	1100	9FG			
CH5A	S	PNT	T _W N	T6	SCO	GE	H	6.3	300	300	12	1.1	100	2	1100	9FG			
3G5B	S	PNT	T _W N	T6	SCO	SY	H	3.2	600	300	12	1.1	100	8	1200	6.00	3.20	9FG	
4G5B	S	PNT	T _W N	T6	SCO	SY	H	4.2	450	300	12	1.1	100	8	1200	6.00	3.20	9FG	
AG5B	S	PNT	T _W N	T6	SCO	SY	H	6.3	300	300	12	1.1	100	8	1200	6.00	3.20	9FG	
3B15A	S	PNT	T _W N	T6	VHF	SCO	GC	H	3.2	600	300	12	1.1	100	2	1500	6.00	3.00	9FG
4B15A	S	PNT	T _W N	T6	VHF	SCO	CG	H	4.2	450	300	12	1.1	100	2	1500	6.00	3.00	9FG
6H18A	S	PNT	T _W N	T6	VHF	SCO	RA	H	6.3	300	300	12	1.1	100	3	1800	6.00	3.00	9FG
3AF8	S	PNT	T _W N	T6	VHF	SCO	RA	H	3.2	600	300	12	1.1	100	3	1800	6.00	3.00	9FG
4AF5	S	PNT	T _W N	T6	VHF	SCO	PA	H	4.2	450	300	12	1.1	100	3	1800	6.00	3.00	9FG
6AF5	S	PNT	T _W N	T6	VHF	SCO	RA	H	6.3	300	300	12	1.1	100	3	1800	6.00	3.00	9FG
6A11	S	PNT	T _W N	T9	CH	SY	H	6.3	900	300	1.7	1.7	150	4	3700	200K	7.50	6.50	12H8
12A11	S	PNT	T _W N	T9	CH	SY	H	12.6	450	300	1.7	1.7	150	4	3700	200K	7.50	6.50	12H8
6L15A	S	PNT	T _W N	T6	SCO	RA	H	6.3	750	300	2.0	1.0	100	8	5800	50K	15.50	3.70	902
HLF8		PNT	T _W N	T6	SCO	RA	H	8.0	600	300	2.0	1.0	100	8	5800	50K	15.50	3.70	902
10L5B	S	PNT	T _W N	T6	SCO	RA	H	10.0	450	300	2.0	1.0	100	8	5800	50K	15.50	3.70	902
15L5B	S	PNT	T _W N	T6	SCO	RA	H	15.0	300	300	2.0	1.0	100	8	5800	50K	15.50	3.70	902
6H18	S	PNT	T _W N	T6	AFA	LR	H	6.3	550	300	4.0	6.0	250	2.6	6000	80K	7.00	4.50	9NJ
12H18	S	PNT	T _W N	T6	AFA	LR	H	12.0	300	300	4.0	6.0	250	2.6	6000	80K	7.00	4.50	9NJ
6AR11	S	PNT	T _W N	T9	IFA	RCO	GE	H	6.3	800	330	3.1	1.25	11	10500	200K	10.00	2.90	12DM
6A11	S	PNT	T _W N	T9	IFA	RCO	GE	H	8.4	600	330	3.1	1.25	11	10500	200K	10.00	2.80	12DM
SA11	S	PNT	T _W N	T9	IFA	RCO	GE	H	8.4	600	330	3.1	1.25	11	10500	200K	10.00	2.90	12DM
11A11	S	PNT	T _W N	T9	IFA	SRC	GE	H	11.2	450	330	3.1	1.25	11	10500	200K	10.00	2.90	12DM
AD77	S	PNT	T _W N	T12	PA	SRC	GE	H	6.3	1520	440	13.2	2.50	4.8	11300	38K	11.00	5.00	8JP
6H11	S	PNT	T _W N	T9	IFA	SCO	GE	H	6.3	800	330	3.1	1.25	11	13000	200K	12.00	2.80	12GF
6J11	S	PNT	T _W N	T9	IFA	SCO	GE	H	6.3	800	330	3.1	1.25	11	13000	200K	11.00	3.00	12RW
6H711	S	PNT	T _W N	T9	IFA	SCO	GE	H	8.4	600	330	3.1	1.25	11	13000	200K	11.00	2.80	12DM

CHARACTERISTIC LISTING - CONTINUED

TYPE NUMBER	CODE	KIND	TYPE	USF	TUBE CHAR	REF TYPE	K	TYPICAL FILAMENT			MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			EIA BASF NO.	
								V	MA	W	V	MA	W	E	V	IP MA	GM UMHO	PICOCARDS IN
12HF11	PNN	DIS	T9	DET	SCO	GE	H	12.6	600	330	1.7	150	1	1.0	150	2	4.40	12EZ
12X10	PNN	DIS	T9	DET	DIS	SY	H	16.8	450	330	1.3	121	440	1	1.000	150K	12BT	
6AL11	S	PNN	DIS	AFA	SCO	GE	H	6.3	900	330	1.7	150	1	1.000	150K	12EZ		
6HF11	S	PNN	DIS	T9	DET	SCO	H	6.3	1200	330	1.7	150	1	1.000	150K	12BU		
6G11	S	PNN	DIS	AFA	SCO	GE	H	6.3	1200	330	1.7	150	1	1.000	150K	12BU		
6T11	S	PNN	DIS	T9	DET	GE	H	6.3	950	330	1.7	150	1	1.000	150K	12EZ		
10A11	S	PNN	DIS	AFA	SCO	GE	H	9.8	600	330	1.7	150	1	1.000	150K	12BU		
12A11	S	PNN	DIS	T9	DET	SCO	GE	12.6	450	330	1.7	150	1	1.000	150K	12EZ		
12AL11	S	PNN	DIS	AFA	SCO	GE	H	12.6	830	330	20	1.7	150	1	1.000	150K	12BU	
12G11	S	PNN	DIS	T9	AFA	SCO	GE	12.6	450	165	60	6.0	145	34	5600	33K	9.50 10.00	12EZ
12T11	S	PNN	DIS	T9	DET	SCO	SY	12.6	450	330	1.7	150	1	1.000	150K	12EZ	12EZ	
13V10	S	PNN	DIS	T9	AFA	SCO	GE	13.2	450	330	1.7	150	1	1.000	150K	6.50	12.50	
17HF11A	S	PNN	DIS	T9	DET	SCO	GE	16.8	450	330	1.7	150	1	1.000	150K	7.50	12.50	
6Y10	S	PNN	DIS	T9	DET	SCO	#TS	6.3	830	300	20	1.7	150	4	3700	140K	12EZ	
12A-110	S	PNN	DIS	T9	AFA	SCO	GE	12.6	450	165	60	6.0	145	34	5600	33K	9.50 10.00	12EZ
13V110	S	PNN	DIS	T9	DET	RCC	GE	13.2	450	165	65	6.5	145	34	6400	58K	10.00 10.00	12EZ
6AL11	S	PNN	DIS	T9	AFA	SCO	GE	6.3	900	275	10.0	250	39	6500	100K	11.00	12.00	
6T110	S	PNN	DIS	T9	AFA	SCO	GE	6.3	950	275	10.0	250	39	6500	100K	11.00	12.00	
10A111	S	PNN	DIS	T9	DET	SRC	GE	9.8	600	275	10.0	250	39	6500	100K	11.00	12.00	
12A111	S	PNN	DIS	T9	DET	SRC	GE	12.6	450	275	10.0	250	39	6500	100K	11.00	12.00	
12T110	S	PNN	DIS	T9	AFA	SY	H	12.6	450	275	10.0	250	39	6500	100K	11.00	12.00	
6G11	S	PNN	DIS	T9	DET	SRC	GE	6.3	1200	150	65	6.5	145	34	6400	120K	12.00	12EZ
12G11	S	PNN	DIS	T9	DET	SRC	GE	12.6	600	150	65	6.5	145	34	6400	120K	12.00	12EZ
9H-J11	S	PNN	DIS	T9	IFA	SCO	GE	9.6	450	160	2.8	110	6	7500	40K	9.50	3.40	
6Y10	S	PNN	DIS	T9	PA	#TS	H	6.3	830	300	30	4.8	250	16	8400	150K	7.50	6.00
12T110	S	PNN	DIS	T9	AFA	SCO	AM	6.3	800	275	16	1.8	150	10	8500	160K	11.00	10.00
6G11	S	PNN	DIS	T9	DET	SCO	AM	11.0	450	275	16	1.8	150	10	8500	160K	12.00	12.00
12G11	S	PNN	DIS	T9	IFA	SCO	AM	16.5	300	275	16	1.8	150	10	8500	160K	11.00	10.00
9H-J11	S	PNN	DIS	T9	IFA	SCO	GE	8.4	450	160	2.8	110	6	7500	40K	9.50	3.40	
6Y10	S	PNN	DIS	T9	PA	#TS	H	6.3	1200	165	65	6.5	145	36	8600	160K	7.50	6.00
12HF11	PNN	DIS	T6	DIS	SCO	GE	H	12.6	600	165	65	6.5	145	36	8600	30K	13.00	10.00
17HF11A	S	PNN	DIS	T6	DIS	SCO	GE	16.8	450	165	65	6.5	145	36	8600	30K	13.00	10.00
17X10	S	PNN	DIS	T9	PA	SY	H	16.8	450	165	65	6.5	145	33	8600	30K	13.00	10.00
8BM11	S	PNN	DIS	T9	IFA	SRC	GE	8.4	450	160	2.2	125	14	8800	220K	12.00	9.00	
9B111	S	PNN	DIS	T9	IFA	SCO	GE	9.6	450	160	2.2	125	8	9600	400K	7.50	2.60	
12BF11	PNN	DIS	T9	IFA	SCO	SY	H	6.3	1200	300	25	3.0	200	10	10000	200K	11.00	10.00
17HF11A	S	PNN	DIS	T9	IFA	RCC	GE	11.2	450	330	3.1	125	11	10500	30K	13.00	10.00	
17X10	S	PNN	DIS	T9	IFA	SCO	GE	11.2	450	330	3.1	125	11	13000	200K	11.00	10.00	
9H-J11	S	PNN	DIS	T9	IFA	SCO	AM	6.3	800	250	60	5.0	170	30	21000	40K	12.00	7.00
6AF110	PNN	DIS	T9	IFA	SCO	SY	H	6.3	1200	300	25	3.0	200	10	10000	200K	11.00	4.20
11B011	S	PNN	DIS	T9	IFA	RCC	GE	11.2	450	330	3.1	125	11	10500	30K	13.00	10.00	
11B011	S	PNN	DIS	T9	IFA	SCO	GE	11.2	450	330	3.1	125	11	13000	200K	11.00	2.80	
6Y10	S	PNN	DIS	T6	AFA	SCO	AM	11.0	450	250	60	5.0	170	30	21000	40K	12.00	7.00
11Y9	S	PNN	DIS	T6	AFA	SCO	AM	11.0	450	250	60	5.0	170	30	21000	40K	12.00	7.00
11Y9	S	PNN	DIS	T6	AFA	SCO	AM	11.0	450	250	60	5.0	170	30	21000	40K	12.00	7.00

CHARACTERISTIC LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USE	TUBE CHAR	RFG TYPE	K FILAMENT V MA	MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			CAPACITANCE				
									E _R V	I _B MA	M _U UMHD	G _M OHMS	R _P OHMS	PICOFARADS IN OUT	EIA BASE NO.				
PENTODE DISSIMILAR -CONTINUED-																			
16Y9	PND	DIS	T6	AFA	SCO	AM	F	16.5	300	250	60	5.0	170	30	40K	12.00	7.00	10L	
6AF10	PND	DIS	T9	RFA	SCO	SY	F	6.3	1200	300	35	5.0	200	22	23000	13.00	4.80	12GX	
6BA11	TWP	TRI	T9	GA	*TS	H	F	6.3	300	300	12	1.1	100	1700	6.00	3.00	12ER		
8BA11	TWP	TRI	T9	CH	SCO	SY	H	8.4	450	300	12	1.1	100	1700	6.00	3.00	12ER		
PENTODE WITH DIODE																			
1S5	S	PND	D10	T5	VA	SCO	RC	1.4	50	90	3	6.8	2	600K	2.20	2.40	6AU		
1U5WA	S	PND	D10	T5	AFA	SCO	*NU	1.4	50	90	3	6.8	2	600K	6BW	6BW			
12SF7	PND	D10	MT8	AFA	AFA	RC	RC	12.6	150	300	3.5	250	12	2000K	5.50	6.00	7AZ		
12CR6	PND	D10	T5	AFA	AFA	*TS	RC	12.6	150	300	2.5	250	10	2200K	800K	800K	7EA		
6E07	PND	D10	T6	RFA	RFA	RC	RC	6.3	300	300	3.0	100	9	3800	2500K	5.50	5.00	9LQ	
6BY8	PND	D10	T6	VA	SCO	*PL	H	6.3	600	300	3.0	250	11	5200	1M	5.50	5.00	9FN	
5AS8	PND	D10	T6	VHF	SRC	RC	RC	4.7	600	300	2.5	200	10	6200	3000K	7.00	2.40	9DS	
6AS8	PND	D10	T6	VHF	SRC	RC	RC	6.3	450	300	2.5	200	10	6200	3000K	7.00	2.40	9DS	
33GT7	PND	D10	T12	HDA	RDA	GE	GE	33.6	450	400	490	9.0	130	48	6500	10K	17.00	7.00	12FC
33GY4	PND	D10	T12	HDA	RDA	GE	GE	33.6	450	400	155	9.0	130	48	6500	10K	8.50	5.20	12FN
6GA7	PND	D10	T12	PA	RDA	RA	RA	6.3	2260	770	150	15.0	250	75	6600	20K	20K	12EB	
6JF8	PND	L10	T12	VDA	RDA	RA	RA	6.3	2400	770	500	15.0	250	75	6600	20K	20K	12EB	
24GA7	PND	D10	T12	PA	RDA	RA	RA	24.0	600	770	150	15.0	250	75	6600	20K	20K	12EB	
32GA7	PND	D10	T12	PA	RDA	RA	RA	32.0	450	770	150	15.0	250	200	7000	6000K	6.00	2.60	9CY
5AMB	PND	D10	T6	IF1A	SRC	SY	H	4.7	600	300	2.8	200	12	7000	6000K	6.00	2.60	9CY	
6AMB8	PND	D10	T6	IF1A	SRC	SY	H	6.3	450	300	2.8	200	12	7000	6000K	6.00	2.60	9CY	
6HE7	PND	D10	T12	HDA	RDA	RC	SY	6.3	2700	500	230	10.0	130	60	8800	6200	19.00	8.00	12FS
12HE7	PND	D10	T12	HDA	RDA	RC	SY	12.6	1350	500	230	10.0	130	60	8800	6200	19.00	8.00	12FS
38HK7	S	PND	D10	T12	HDA	RC	GE	37.8	450	500	230	10.0	130	60	8800	6200	19.00	8.00	12FS
38HE7	S	PND	D10	T12	HDA	RC	SY	37.8	450	500	230	10.0	130	60	8800	6200	19.00	8.00	12FS
58HE7	PND	D10	T12	HDA	RDA	RC	SY	58.0	300	500	230	10.0	130	60	8800	6200	19.00	8.00	12FS
6HJ8	PND	D10	T6	IF1A	VHF	SRC	*PL	6.3	450	330	3.2	125	12	9300	2000K	7.00	3.20	9CY	
6ET7	PND	D10	T6	IF1A	VHF	SRC	SY	6.3	900	330	5.0	200	25	11500	600K	10.00	4.20	9LT	
58W8	PND	DWD	T6	IF1A	SRC	GE	H	4.7	600	330	3.0	250	10	5200	2500K	4.80	2.60	9HK	
68W8	PND	DWD	T6	IF1A	SRC	GE	H	6.3	450	330	3.0	250	10	5200	2500K	4.80	2.60	9HK	
6AC9	PND	DWD	T9	IF1A	SCO	SY	H	6.3	600	330	2.5	125	12	10000	150K	8.00	2.20	12GN	
8AC9	PND	DWD	T9	IF1A	SCO	SY	H	8.4	450	330	2.5	125	12	10000	150K	8.00	2.20	12GN	
8ET7	PND	DWD	T6	RFA	SCO	SY	H	8.0	600	330	5.0	200	25	11500	60K	10.00	4.20	9LT	
6LT8	PND	DWD	T6	DDD	SCO	GE	H	6.3	600	330	3.1	125	10	13000	200K	11.00	3.60	9RL	
8LT8	PND	DWD	T6	AFD	SCO	GE	H	8.1	450	330	3.1	125	10	13000	200K	10.00	3.80	9RL	

CHARACTERISTIC LISTING - CONTINUO

CHARACTERISTIC LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	QULH	USF	CHAR	REG	K	TYPICAL FILAMENT V	TYPICAL FILAMENT MA	MAXIMUM PLATE CHARACTERISTICS	TYPICAL CHARACTERISTICS			CAPACITANCE PICOFARADS IN	EIA BASE NO.	
												ER V	IR MA	GM MMHO	RU OMHS		
PENTODE WITH TRIODE																	
17LD8	PND	TRI	T9	VDA					450	245	7.0	70	13.00	7.00	90T	9AE	
6JBB	PND	TRI	T6	AFA	SRC	SY	RA	6.3	600	330	3.0	250	1600	1M	9KN	9KN	
6GV7	PND	TRI	T6	VHF		AE	H	6.3	350	18	2.0	125	10	3100	9PV	9PV	
7GV7	PND	TRI	T6	VHF		AE	H	7.4	300	250	18	2.0	125	10	3100	9PV	
6KA8	S	PND	TRI	T6	GA	SCO	RC	6.3	600	300	2.0	150	4	4400	10K		
6LCB8	S	PND	TRI	T6	GA	SCO	RC	6.3	600	300	2.0	150	4	4400	10K	90Y	
8KA8	S	PND	TRI	T6	GA	SCO	RC	8.4	450	300	2.0	150	4	4400	10K	9PV	
8LCB8	S	PND	TRI	T6	GA	SCO	RC	8.4	450	300	2.0	150	4	4400	10K	90Y	
5AT8	S	PND	TRI	T6	MIX	SRC	RC	4.7	600	250	2.0	250	8	4600	4.50	9DW	
5CG8	S	PND	TRI	T6	MIX	SRC	RC	4.7	600	250	2.0	250	8	4600	4.80	9GF	
5XB	S	PND	TRI	T6	MIX	SRC	SY	4.7	600	250	2.0	250	8	4600	4.80	9GF	
6AT8A	S	PND	TRI	T6	MIX	SRC	RC	6.3	450	250	2.0	250	8	4600	4.50	9DW	
6CG8A	S	PND	TRI	T6	MIX	SRC	GE	6.3	450	250	2.0	250	8	4600	4.80	9GF	
6XR8A	S	PND	TRI	T6	MIX	SRC	CE	6.3	450	250	2.0	250	8	4600	4.30	9AK	
9CG8A	S	PND	TRI	T6	MIX	SRC	TO	9.5	300	250	2.0	250	8	4600	4.80	9GF	
5KD8	S	PND	TRI	T6	MIX	SRC	SY	5.6	450	330	3.0	125	10	5000	2.00	9AE	
6KN8	S	PND	TRI	T6	MIX	SRC	SY	6.3	400	330	3.0	125	10	5000	2.00	9AE	
1252	S+	PND	TRI	T6	GEN	SRC	SY	6.3	450	330	3.0	125	10	5000	2.00	9AE	
5BR8A	S	PND	TRI	T6	MIX	SRC	*TS	4.7	600	300	2.8	250	10	5200	4.00	9FA	
5UR8	S	PND	TRI	T6	MIX	SRC	GE	4.7	600	300	2.8	250	10	5200	4.00	9AE	
6BRd4	S	PND	TRI	T6	MIX	SRC	SY	6.3	450	300	3.0	125	10	5000	2.00	9AE	
6GUA	S	PND	TRI	T6	MIX	SRC	GE	6.3	450	300	3.0	125	10	5000	2.00	9AE	
6678	S	PND	TRI	T6	MIX	SRC	RC	6.3	450	300	3.0	125	10	5000	2.00	9AE	
7059	S	PND	TRI	T6	MIX	SRC	RC	13.5	195	300	2.8	250	10	5200	4.00	9AE	
6JW8	S+	PND	TRI	T6	MIX	SRC	AM	6.3	430	250	15	1.2	100	6	5500	9DC	
6LX8	S	PND	TRI	T6	MIX	SRC	AM	6.0	450	300	2.8	250	10	5200	4.00	9FA	
6JC8	S+	PND	TRI	T6	MIX	SRC	SY	6.3	450	300	2.8	250	10	5200	4.00	9AE	
76S7	S+	PND	TRI	T6	AFA	RCC	SY	6.3	500	330	3.0	220	10	5800	7.00	9AE	
6LM8	S	PND	TRI	T6	GA	SRC	RC	6.3	450	125	3.50	12.5	12	6000	15.00	9ED	
6EH8	S	PND	TRI	T6	MIX	SRC	SY	6.3	450	300	2.8	125	12	6000	17.00	9JG	
5FG7	S	PND	TRI	T6	MIX	SRC	GE	4.7	600	330	3.0	125	11	6000	1.80K	9GF	
6FG7	S	PND	TRI	T6	IFA	SRC	GE	6.3	450	330	3.0	125	9	5500	3CC	4.80	
6AZB	S	PND	TRI	T6	GA	SRC	RC	6.3	450	300	2.0	200	10	5800	500K	9GF	
8AB	S	PND	TRI	T6	GEN	MT	H	6.4	300	275	15	1.9	170	10	6200	5.50	9DC
9AB	S	PND	TRI	T6	GEN	RE	H	9.0	300	275	15	1.9	170	10	6200	5.50	9DC
17AB	S	PND	TRI	T6	GEN	MT	H	16.8	150	275	15	1.9	170	10	6200	5.50	9DC
5AN8	S	PND	TRI	T6	GEN	SRC	SY	4.7	600	300	2.0	200	10	6200	300K	9DC	
5AV8	S	PND	TRI	T6	GEN	SRC	SY	4.7	600	300	2.0	200	10	6200	300K	9DC	
5BB	S	PND	TRI	T6	GEN	SRC	SY	4.7	600	300	2.0	200	10	6200	300K	9FC	
6AN8A	S	PND	TRI	T6	GEN	SRC	RC	6.3	450	300	2.0	200	10	6200	300K	9DA	

CHARACTERISTIC LISTING - CONTINUED

TUBE TYPE	CONE NUMBER	KIND	TYPE	HULB	USF	TURE CHAR	REG	K TYPF	TYPICAL FILAMENT CHARACTERISTICS			MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			CAPACITANCE PICOFARADS IN OUT		
									V MA	I MA	A W	V MA	I MA	A W	E V	I MA	R GM	MU	R CHMS	P UMHO
PENTODE WITH TRIODE -CONTINUED-																				
6CH8	S	PND	TRI	T6	GEN	SRC	RC	H	6.3	450	300	2.0	200	10	6200	300K	7.00	2.25	9FT	
6CU8	S	PND	TRI	T6	GEN	SRC	RC	H	6.3	450	300	2.0	200	10	6200	300K	7.00	2.40	9GM	
4RL8	S	PND	TRI	T6	CON	CON	RE	H	4.6	600	550	1.7	170	10	6200	400K	5.20	3.40	9DC	
6RL8	S	PND	TRI	T6	CON	CON	#TS	H	6.3	450	250	1.4	1.7	10	6200	400K	5.50	3.80	9DC	
6LN8	S	PND	TRI	T6	CON	CON	AM	H	6.0	450	250	1.4	1.7	10	6200	400K	5.50	3.80	9DC	
7643	S+	PND	TRI	T6	OSC	AM	AM	H	6.3	330	275	18	2.2	170	10	6200	400K	5.50	3.80	9AE
6MG8	S	PND	TRI	T6	RFA	-	TO	H	6.3	450	330	14	2.0	170	10	6200	400K	5.50	3.80	9DC
8445	S+	PND	TRI	T6	VA	SCO	#TS	H	6.8	440	330	1.7	170	10	6200	400K	5.00	3.50	9AE	
8446	+	PND	TRI	T6	VA	SCO	#TS	H	6.8	440	330	1.7	170	10	6200	400K	5.00	3.50	9FA	
5CM8	S	PND	TRI	T6	GEN	SRC	SY	H	4.7	600	300	2.0	200	10	6200	600K	6.00	2.60	9FZ	
6CM8	S	PND	TRI	T6	GEN	SRC	SY	H	6.3	450	300	2.0	200	10	6200	600K	6.00	2.60	9FZ	
6BW8	S	PND	TRI	T6	AF&A	RCA	RE	H	6.3	780	600	50	5.0	200	20K	9.30	8.00	9FX		
11BV8	S	PND	TRI	T6	AF&A	MT	GE	H	10.7	450	250	50	200	35	6400	20K	9.30	8.00	9EX	
5EA8	S	PND	TRI	T6	MIX	SRC	RA	H	4.7	600	330	3.1	125	12	6400	80K	5.00	2.60	9AE	
5EW8	S	PND	TRI	T6	MIX	SRC	RA	H	4.7	600	330	3.1	125	12	6400	80K	5.00	2.60	9JF	
6EA8	S	PND	TRI	T6	MIX	SRC	GE	H	6.3	450	330	3.1	125	12	6400	80K	5.00	2.60	9AE	
6EU8	S	PND	TRI	T6	MIX	SRC	RA	H	6.3	450	330	3.1	125	12	6400	80K	5.00	2.60	9JF	
9EA8	S	PND	TRI	T6	MIX	SRC	GE	H	9.5	300	330	3.1	125	12	6400	80K	5.00	2.60	9AE	
19E8A	S	PND	TRI	T6	MIX	SRC	SY	H	18.9	150	330	3.1	125	12	6400	80K	5.00	2.60	9AE	
5HR7	S	PND	TRI	T6	MIX	SRC	WH	H	4.7	600	330	3.1	125	12	6400	200K	5.00	3.40	9OA	
6HR7	S	PND	TRI	T6	MIX	SRC	RC	H	6.3	450	330	3.1	125	12	6400	200K	5.00	3.40	9OA	
6T9	S	PND	TRI	T9	PA	SRC	SY	H	6.3	930	275	12.0	12	6400	39	6500	100K	11.00	12FM	
5FV8	S	PND	TRI	T6	IFA	SRC	WH	H	4.7	600	330	2.3	125	12	6500	6500	5.00	2.00	9FA	
6FV8A	S	PND	TRI	T6	GEN	SRC	GE	H	6.3	450	330	2.3	125	12	6500	200K	5.00	2.00	9FA	
19HV8	S	PND	TRI	T6	AF&A	SRC	GE	H	18.9	150	330	3.0	125	12	6500	200K	5.50	2.40	9FA	
6AU8A	S	PND	TRI	T6	GEN	SRC	GE	H	6.3	600	300	3.0	200	15	7000	150K	7.50	3.40	9DX	
6BH8	S	PND	TRI	T6	GEN	SRC	GE	H	6.3	600	300	3.0	200	15	7000	150K	7.50	3.40	9DX	
BAU8A	S	PND	TRI	T6	GEN	SRC	SY	H	8.4	450	300	3.0	200	15	7000	150K	7.50	3.40	9DA	
BBH8	S	PND	TRI	T6	GEN	SRC	GE	H	8.4	450	300	3.0	200	15	7000	150K	7.50	3.40	9DX	
12AU8	S	PND	TRI	T6	VDA	RCA	GE	H	12.6	300	300	3.0	200	15	7000	150K	7.50	3.40	9DX	
12CT8	S	PND	TRI	T6	VHF	SRC	GE	H	12.6	300	300	2.8	200	15	7000	150K	7.50	3.40	9DX	
7060	S	PND	TRI	T6	RFA	SRC	RC	H	13.5	280	300	2.0	200	15	7000	150K	7.00	2.40	9DX	
8489	S	PND	TRI	T6	VHF	SRC	#TS	H	6.3	450	330	2.3	125	12	7000	170K	7.00	2.40	9DA	
7199	S	PND	TRI	T6	VAD	SRC	RC	H	6.3	450	330	3.0	220	12	7000	400K	5.00	2.00	9JT	
6JZ8	S	PND	TRI	T9	VDA	RCA	GE	H	1200	250	70	7.0	120	46	7100	12K	11.00	7.00	12DZ	
5GH8	S	PND	TRI	T6	OSC	SRC	GE	H	4.7	600	350	2.0	125	12	7500	200K	5.50	2.60	9AE	
5KZ8	S	PND	TRI	T6	MIX	SRC	GE	H	4.7	600	330	2.5	125	12	7500	200K	5.50	3.40	9FZ	
6GH8	S	PND	TRI	T6	OSC	SRC	RC	H	6.3	450	350	2.0	125	12	7500	200K	5.00	3.40	9AE	
6JN8	S	PND	TRI	T6	VA	SRC	GE	H	6.3	450	300	2.5	125	12	7500	200K	5.50	3.40	9FA	
6KZ8	S	PND	TRI	T6	MIX	SRC	GE	H	6.3	450	330	2.5	125	12	7500	200K	5.50	3.40	9FZ	

CHARACTERISTIC LISTING - CONTINUED

CHARACTERISTIC LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND TYPE	BULB	USF	CHAR	REG	TUBE TYPE	K	TYPICAL FILAMENT TYPE	MAXIMUM PLATE CHARACTERISTICS	TYPICAL CHARACTERISTICS			CAPACITANCE PICOFARADS IN	EIA BASE NO.	
											E	V	MA	W		
PENTODE WITH TRIODE -CONTINUED-																
9GH8A	S	PND	TRI	T6	NSC	SCO	H	9.4	300	350	20	2.5	125	12	750	9AE
9KZ8	S	PND	TRI	T6	MIX	SCO	H	9.4	300	330	2.5	125	12	750	5.50	3.40
12JN8	S	PND	TRI	T6	VA	SRC	H	12.6	225	300	125	125	12	750	5.50	3.40
19JN8	S	PND	TRI	T6	RFA	SRC	H	18.9	150	300	2.5	125	12	750	3.20	9FA
19KG6	S	PND	TRI	T6	MIX	SRC	H	18.9	150	300	2.5	125	12	750	5.50	3.40
81102		PND	TRI	T6	GEN	SRC	GE	13.5	230	330	20	2.5	125	12	750	9PJ
18D78	DRS	PND	TRI	T6	PA	*SO	H	18.0	300	150	60	6.5	45	750	4.5	9EX
35D28	DRS	PND	TRI	T6	PA	*SO	H	35.0	150	150	60	6.5	45	750	7.0	9EX
6GV8	S	PND	TRI	T6	VA	AM	H	6.3	900	250	75	7.0	170	41	750	9LY
9GV8	S	PND	TRI	T6	VA	AM	H	9.5	600	250	75	7.0	170	41	750	9LY
725R	S	PND	TRI	T6	RFA	SCO	SY	13.5	210	330	2.3	125	12	780	170K	2.40
6HD7	S	PND	TRI	T6	MIX	SCO	WH	6.3	450	275	20	2.2	120	10	70K	4.60
10CA8	S	PND	TRI	T6	GEN	SCO	GE	10.5	300	300	55	2.2	135	12	800	1.80
5DH8	S	PND	TRI	T6	IFA	SCO	IF	6.3	600	300	2.2	125	14	860	190K	7.00
6AX8A	S	PND	TRI	T6	VHF	SRC	SY	6.3	600	300	3.2	200	13	900	150K	6.50
6BA8A	S	PND	TRI	T6	VHF	SRC	SY	6.3	600	300	3.2	200	13	900	400K	2.20
RA~A	S	PND	TRI	T6	VHF	SRC	SY	8.4	450	300	3.2	200	13	900	150K	9EA
RA8A	S	PND	TRI	T6	VHF	SRC	RA	8.4	450	300	3.2	200	13	900	400K	9EX
6LU8	S	PND	TRI	T12	VDA	RCO	SY	6.3	1500	400	75	14.0	135	56	930	12K
21LU8		PND	TRI	T6	VDA	RCO	SY	21.0	450	400	75	14.0	135	56	930	12K
40L78		PND	TRI	T6	IFA	GE	H	10.5	450	225	55	4.5	200	12	900	400K
6GV8	S	PND	TRI	T6	IFA	SRC	AM	6.3	700	300	9.0	250	36	1000	400K	3.60
6CX8	S	PND	TRI	T6	VHF	SRC	GE	6.3	750	330	5.0	200	24	1000	70K	4.40
8CX8	S	PND	TRI	T6	VHF	SRC	GE	8.0	600	330	5.0	200	24	1000	70K	4.40
7716		PND	TRI	T6	VHF	SRC	GE	13.6	350	330	5.0	200	24	1000	70K	4.40
6HL8	S	PND	TRI	T6	IFA	SCO	SY	6.3	600	330	2.5	125	12	1000	150K	9.50
6KT8	S	PND	TRI	T6	IFA	SRC	SY	6.3	600	330	2.5	125	12	1000	45K	4.50
6JV8	S	PND	TRI	T6	VHF	SRC	*TS	6.3	600	330	4.0	200	24	1000	70K	9.00
8JV8	S	PND	TRI	T6	VHF	SRC	RC	8.5	450	330	4.0	200	22	1070	1070	9.00
9JV8		PND	TRI	T6	VHF	SRC	*TS	9.5	600	330	4.0	200	22	1070	150K	9.00
6DX8	S	PND	TRI	T6	PA	SCO	RE	6.3	720	300	4.0	170	18	1100	100K	2.30
10DX8	S	PND	TRI	T6	PA	SCO	AM	10.2	450	300	4.0	170	18	1100	100K	2.20
4GX7	S	PND	TRI	T6	MIX	SCO	WH	4.2	600	275	2.2	125	8	1100	200K	9QD
5GX7	S	PND	TRI	T6	MIX	SCO	WH	5.6	450	275	2.2	125	8	1100	200K	9DX
6GX7		PND	TRI	T6	MIX	SCO	WH	6.3	400	275	2.2	125	8	1100	200K	9DX
6LF8	S	PND	TRI	T6	MIX	SCO	RC	6.3	600	330	3.8	100	20	1100	100K	9HX
4GJ7	S	PND	TRI	T6	MIX	SCO	AM	4.1	600	275	2.0	2.4	170	10	1100	350K
8GX7	S	PND	TRI	T6	MIX	SCO	WH	7.5	300	275	2.0	2.2	125	8	1100	200K
5GJ7	S	PND	TRI	T6	MIX	SCO	AM	5.5	275	275	2.0	2.4	170	10	1100	350K
6GJ7		PND	TRI	T6	MIX	SCO	AM	6.3	410	275	2.0	2.4	170	10	1100	350K
6GJ7		PND	TRI	T6	MIX	SCO	AM	6.3	410	275	2.0	2.4	170	10	1100	350K

CHARACTERISTIC LISTING - CONTINUED

PENTODE WITH
TRIODE
-CONTINUED-

TUBE TYPE NUMBER	CONE NUMBER	KIND	TYPF	AULB	USE	CHAR	REG	K TYPE	TUBE REG TYPE	TYPICAL FILAMENT V	MAXIMUM PLATE CHARACTERISTICS	TYPICAL CHARACTERISTICS			CAPACITANCE PICOFARADS IN OUT	EIA BASE NO.					
												ER V	1H MA	GM UMHO	R _P CHMS						
9GU7	S	PND	TRI	T6	MIX			A M		8.2	300	275	20	2.4	170	1.0	11000	350K	6.20	3.50	90A
6G\8		PND	TRI	T6	I FA	SRC	S Y	H	6.3	750	330	5.0	200	2.0	25	11500	60K	11.00	4.20	9DX	
6J\8		PND	TRI	T6	P A	SCO	R A	H	6.3	750	330	5.0	300	2.1	25	11500	60K	11.00	4.20	9DX	
AG\8	S	PND	TRI	T6	I FA	SRC	S Y	H	8.0	600	330	5.0	200	2.1	25	11500	60K	11.00	4.20	9DX	
8J\8	S	PND	TRI	T6	P A	SCO	R A	H	8.0	600	330	5.0	300	2.1	25	11500	60K	11.00	4.20	9DX	
10GKH		PND	TRI	T6	I FA	SRC	# TS	H	10.5	450	330	5.0	200	2.0	25	11500	60K	11.00	4.20	9DX	
4FS7	S+	PND	TRI	T5	CON	SCO	M U	H	4.6	600	250	1.8	2.0	1.70	1.0	12000	6.00	3.50	9MP		
5U9		PND	TRI	T6	I FA	SRC	A M	H	5.9	450	250	1.8	2.1	1.60	1.3	12000	6.50	3.50	10K		
6U9		PND	TRI	T6	I FA	SRC	A M	H	6.3	410	250	1.8	2.1	1.60	1.3	12000	6.50	3.50	10K		
HU9		PND	TRI	T6	I FA	SRC	A M	H	6.0	300	250	1.8	2.1	1.60	1.3	12000	6.50	3.50	10K		
4KE8	S	PND	TRI	T6	MIX	SCO	R C	H	4.5	600	280	2.0	125	1.0	12000	125K	5.00	3.40	9DC		
5KE8		PND	TRI	T6	MIX	SCO	R C	H	5.6	450	280	2.0	125	1.0	12000	125K	5.00	3.40	9DC		
5M48		PND	TRI	T6	R FA	SCO	S Y	H	5.6	450	280	2.0	125	1.0	12000	125K	5.50	3.40	9FA		
6KF8	S	PND	TRI	T6	MIX	SCO	R C	H	6.3	400	280	2.0	125	1.0	12000	125K	5.00	3.40	9DC		
6M48		PND	TRI	T6	R FA	SCO	S Y	H	6.3	400	280	2.0	125	1.0	12000	125K	5.50	3.40	9FA		
6JF8	S	PND	TRI	T6	VHF	SRC	# P L	H	6.3	780	330	5.0	250	2.2	22	12000	140K	10.00	3.60	9DX	
6JF8		PND	TRI	T6	VHF	SRC	# P L	H	8.2	600	330	5.0	250	2.2	22	12000	140K	10.00	3.60	9DX	
11JE8		PND	TRI	T6	VHF	SRC	# P L	H	10.9	450	330	5.0	250	2.2	22	12000	140K	10.00	3.60	9DX	
4GS7		PND	TRI	T6	R FA	SCO	M T	H	4.0	600	250	1.8	2.0	1.70	1.0	12000	350K	5.50	3.40	9GF	
4HG8		PND	TRI	T6	CON	SCO	T O	H	4.5	600	250	1.8	2.0	1.50	1.0	12000	350K	6.00	3.60	9MP	
SGS7		PNE	TRI	T6	R FA	MT	M T	H	5.4	450	250	1.8	2.0	1.70	1.0	12000	350K	6.00	3.50	9GF	
5H68		PND	TRI	T6	VHF	SCO	M U	H	5.3	340	250	2.0	2.2	1.70	1.0	12000	350K	6.00	3.60	9MP	
6H68		PND	TRI	T6	CON	SCO	M T	H	6.3	340	250	2.0	2.2	1.70	1.0	12000	350K	6.00	3.60	9MP	
7GS7		PND	TRI	T6	R FA	SCO	M T	H	7.6	300	250	1.8	2.0	1.70	1.0	12000	350K	6.00	3.60	9GF	
7HG8	S	PND	TRI	T6	CON	SCO	M U	H	7.2	300	250	1.8	2.0	1.50	1.0	12000	350K	6.00	3.60	9MP	
8H68		PND	TRI	T6	CON	SCO	M U	H	8.0	300	250	1.8	2.0	1.50	1.0	12000	350K	6.00	3.60	9MP	
8E88	S	PND	TRI	T6	VHF	SRC	G E N	H	6.3	750	330	5.0	200	2.0	25	12500	75K	11.00	4.20	9DX	
8E88		PND	TRI	T6	VHF	SRC	S Y	H	8.0	600	330	5.0	200	2.0	25	12500	75K	11.00	4.20	9DX	
10HF8	S	PND	TRI	T6	G EN	SCO	R C	H	10.5	450	330	5.0	200	2.0	25	12500	75K	11.00	4.20	9DX	
4LJ8	S	PND	TRI	T6	MIX	SCO	S Y	H	4.3	600	280	2.0	1.25	1.2	1.0	13000	125K	5.50	3.40	9GF	
6LJ8		PND	TRI	T6	MIX	SCO	S Y	H	5.6	450	280	2.0	1.25	1.2	1.0	13000	125K	5.50	3.40	9GF	
6LJ8		PND	TRI	T6	MIX	SCO	S Y	H	6.3	400	280	2.0	1.25	1.2	1.0	13000	125K	5.50	3.40	9GF	
6H17		PND	TRI	T6	MIX	SCO	W H	H	6.3	450	275	2.0	1.22	1.20	1.0	13000	25.0K	5.00	1.80	9QA	
5X9	S	PND	TRI	T6	I FA	SCO	A M	H	5.9	450	250	1.8	2.1	1.60	1.3	14000	6.50	3.50	10K		
6X9	S	PND	TRI	T6	I FA	SCO	G E	H	6.3	410	250	1.8	2.4	1.60	1.3	14000	6.50	3.50	10K		
2X9	S	PND	TRI	T6	I FA	SCO	G E	H	8.0	300	250	1.8	2.4	1.60	1.3	14000	6.50	3.50	10K		
10LRA		PND	TRI	T6	VHF	SCO	G E	H	10.5	450	330	4.0	200	1.6	16	19000	60K	12.00	4.40	9DX	
6JT6	S	PND	TRI	T6	I FA	SCO	S Y	H	6.3	725	330	4.0	200	1.7	17	20000	50K	13.00	3.00	9DX	
6LJ8	S	PND	TRI	T9	P A	SCO	S Y	H	6.3	725	330	4.0	200	1.7	17	20000	50K	12.00	3.00	9DX	

CHARACTERISTIC LISTING - CONTINUED

TYPE NUMBER	CONE	KIND	TYPF	HULB	USF	TURE CHAR	REG	K TYPF	FILAMENT TYPE	MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			CAPACITANCE PICOFARADS IN OUT	EIA BASE NO.		
										V	MA	W	E	V	MA	GM CHMS	IN	OUT	
PENTODE WITH TRIODE -CONTINUED-																			
AJ18	PND	TRI	T9	IFA	SCO	SY	H	7.7	600	330	4.0	200	17	20000	50K	13.00	3.00	9DX	
16J18	S	PND	TRI	IFA	SCO	SY	H	10.2	450	330	4.0	200	17	20000	50K	13.00	3.00	9DX	
11L5H	S	PND	TRI	PA	SCO	SY	H	10.2	450	330	4.0	200	17	20000	50K	12.00	3.00	9DX	
6KR8A	S	PND	TRI	T6	VHF	SCO	H	6.3	750	330	5.0	200	20	20000	60K	13.00	4.40	9DX	
6LY8	S	PND	TRI	T6	VHF	SCO	H	6.3	750	330	5.0	200	20	20000	60K	13.00	4.40	9DX	
10KF8	PND	TRI	T6	VHF	SCO	GE	H	10.5	450	330	5.0	200	20	20000	60K	13.00	4.80	9DX	
6KV8	S	PND	TRI	T6	AFA	SCO	RC	H	6.3	775	300	5.0	200	19	23000	75K	14.00	4.80	9DX
6L08	S	PND	TRI	T6	RFA	SCO	RC	H	10.9	450	300	5.0	200	20	23000	75K	13.00	4.80	9DX
11KV8	S	PND	TRI	T6	AFA	SCO	RC	H	10.9	450	300	5.0	200	20	23000	75K	14.00	4.80	9DX
11L08	S	PND	TRI	T6	VHF	SCO	GE	H	10.5	450	330	5.0	200	20	20000	60K	13.00	4.80	9DX
6AG9	PND	TRI	T9	VHF	SCO	GE	H	6.3	820	330	10.0	250	28	30000	40K	17.00	6.50	12HE	
6B+11	PND	TRI	T9	OSC	SRC	GE	H	6.3	800	350	2.5	125	12	7500	200K	5.00	2.40	12FP	
6B+11	PND	TTR	T9	VHF	SCO	GE	H	7.8	600	330	4.0	135	17	10400	45K	10.00	4.60	12GL	
6M11	PND	TTR	T9	VHF	SRC	GE	H	6.3	750	330	3.1	125	11	13000	200K	12.00	2.80	12CA	
14RL11	PND	DTR	T9	AFA	SCO	GE	H	14.2	450	250	2.5	200	16	19000	70K	12.00	4.40	12GC	
6H11	PND	TDI	T9	VHF	SCO	GE	H	6.3	1050	330	4.0	135	17	10400	45K	11.00	4.60	12DP	
14FR11	PND	TDI	T9	IFA	SCO	GE	H	14.2	450	330	4.0	135	17	10400	45K	11.00	4.60	12DP	
15B+11	PND	TDI	T9	VHF	SCO	GE	H	14.7	450	330	4.0	135	17	10400	45K	11.00	4.60	12DP	
6AS11	PND	TDI	T9	VHF	SRC	GE	H	6.3	1050	330	5.0	200	24	10500	70K	9.50	4.40	12DP	
6AF11	PND	TDI	T9	IFA	SRC	GE	H	6.3	600	330	5.0	250	24	11000	68K				
15AF11	PND	TDI	T9	IFA	SRC	GE	H	14.7	450	330	5.0	250	24	11000	68K				
11AT11	S	PND	TDI	T9	DET	SCO	*TS	H	10.7	600	165	3.5	150	17	19000	51K	13.00	4.60	12GS
12FR8	S	PND	TRI	T6	IFA	DET	GTB	T9	6.3	320	16	1.7	150	13	27000	400K	8.50	5.50	9KU
6ADD11	PND	GTB	T9	AFA	DET	GE	H	6.3	950	275	10.0	250	39	6500	110K			12EZ	
6J10	S	PND	GTB	T9	AFA	DET	GE	H	6.3	950	275	10.0	250	39	6500	100K	11.00	7.00	12BT
13J10	S	PND	GTB	T9	PA	SRC	GE	H	13.2	450	275	10.0	250	39	6500	100K	11.00	7.00	12BT
6Z10	S	PND	GTB	T9	AFA	GE	H	6.3	950	275	10.0	250	35	6500	100K	11.00	7.50	12BT	
13Z10	S	PND	GTB	T9	AFA	GE	H	13.2	450	275	10.0	250	35	6500	100K	11.00	7.50	12BT	
17AH10	S	PND	GTB	T9	PA	GE	H	16.8	450	165	6.5	145	36	8600	30K	12.00	7.50	12BT	
PENTAGRID SINGLE																			
1R5WA	*	PTG	SIN	T5	CON	RC	F	1.2	50	100	0.1	90	9000	6	400K	5.40	7.50	7AT	
7036	S	PTG	SIN	T5	GA	SRC	GE	6.3	300	250	18	0.9	150	2	400K	5.50	7.60	7CH	
12A16	S	PTG	SIN	T5	CON	SCO	*TS	H	12.6	150	20	13	200	2	400K	6.00	8.00	7CH	
18FX64	S	PTG	SIN	T5	SY	CON	SCO	SY	18.0	100	150	1.0	100	9	500K	8.00	8.50	7CD	
1U6	PTG	SIN	T5	SY	CON	SY	F	1.4	25	110	4	90	9000	4	500K	2.00	6.50		

CHARACTERISTIC LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USE	TUBE CHAR	REG	K FILAMENT TYPE	TYPICAL PLATE CHARACTERISTICS			MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			CAPACITANCE PICOFARADS IN OUT		
									V	MA	W	V	MA	W	V	MA	RP	MU	OMHS	IN
PENTAGRID SINGLE -CONTINUED-																				
1L6	PTG	SIN	T5	CON		SY	F	1.4	50	110	4	90	500U		650K		1M	5.50	8.00	7DC
3BF6	PTG	SIN	T5	CON		GE	H	3.2	600	300	14	1.0	250	3			1M	6.70	8.30	7CH
6BA7	S	PTG	SIN	T6	CON	RC	H	6.3	300	300	22	2.0	250	4			1M	5.50	8.00	8CT
6BE6	S	PTG	SIN	T5	CON	RC	H	6.3	300	300	14	1.0	250	3			1M	8.00	11.00	8AD
6SA7GT	S	PTG	SIN	T9	CON	#TS	H	6.3	300	300	14	1.0	250	4			1M	8.00	11.00	8AD
12BA7	S	PTG	SIN	T6	CON	RC	H	12.6	150	300	22	2.0	250	4			1M	6.70	8.30	8CT
12BE6A	S	PTG	SIN	T5	CON	SY	H	12.6	150	300	14	1.0	250	3			1M	5.50	8.00	7CH
12SA7GTY	S	PTG	SIN	T9	CON	#TS	H	12.6	150	300	14	1.0	250	4			1M	8.00	11.00	8AD
26D6	PTG	SIN	T5	CON		RC	H	26.5	70	300	14	1.0	250	3			1M	5.80	14.00	7CH
5750	S*	PTG	SIN	T5	CON	GE	H	6.3	300	300	14	1.0	250	3			1M	5.50	7.60	7CH
3CS6	S	PTG	SIN	T5	GA	SCO	GE	3.2	600	300	14	1.0	100	1	1100		1M	5.50	7.50	7CH
4CS6	S	PTG	SIN	T5	GA	SCO	SY	4.2	450	300	14	1.0	100	1	1100		1M	5.50	7.50	7CH
6CS6	S	PTG	SIN	T5	GA	SCO	SY	6.3	300	300	14	1.0	100	1	1100		1M	5.50	7.50	7CH
12CS6	S	PTG	SIN	T5	GA	SCO	SY	12.6	150	300	14	1.0	100	1	1100		1M	5.50	7.50	7CH
3RY6	S	PTG	SIN	T5	GA	SRC	GE	3.2	600	300	2.0	250	6	1900			5.40	7.60	7CH	
6BY6	S	PTG	SIN	T5	GA	SRC	RC	6.3	300	300	2.0	250	6	1900			5.40	7.60	7CH	
5915A	S	PTG	SIN	T5	ONA	SRC	GE	6.3	300	250	70	1.0	150	6	2400			5.40	7.60	7CH
7502	+	PTG	SIN	T5	CON	ST	H	6.3	300	330	16	1.1	250	3	7200		1M	7.50	13.50	7CH
PENTAGRID WITH TRIODE																				
12FX8A	PTG	TRI	T6	CON		SCO	#TS	H	12.6	300	16	200	13	290U		500K	6.00	5.00	9KV	
3AJ8	PTG	TRI	T6	CON		SCO	RE	H	3.6	600	550	12	1.7	200	4	1M	4.80	7.90	9CA	
HEXODE																				
7548	HEX	SIN	T6	SEM		SCO	#HY	H	6.3	570	400	20	4.0	400		10.00	4.00	9LJ		
6AG10	HEX	TWN	T9	CH		SCO	GE	H	6.3	750	300	37	2.0	100	5	10000	15.00	4.60	12GT	

CHARACTERISTIC LISTING - CONTINUED

TUBE TYPE NUMBER	CONF	KIND	TYPE	RULd	USF	TUBE CHAR	REG	K	TYPICAL FILAMENT	MAXIMUM PLATE CHARACTERISTICS			TYPICAL PLATE CHARACTERISTICS			CAPACITANCE PICOFARADS IN	EIA BASE NO.
										V	MA	W	V	MA	W		
HEXODF WITH TRIODE TYPE																	
12K8GT		HEx	TRI	T9	MIX	RCD	SY	H	12.6	150	300	0.8	250	2	600K	4.60	4.80
THYRATRON TRIODE TYPE																	
7323	S	TRI	SIN	T2	THY	GAS	#TS	C	1.2	280	80	3	65	2	F12		
7410	S	TRI	SIN	T4	THY	GAS	#TS	C				180	12	150	7	FL	
7401	S	TRI	SIN	T3	THY	GAS	#TS	C				180	8	150	7	FL	
5823	S	TRI	SIN	T5	TRG	GAS	RC	C				200	100	117	25	4CK	
QA4G	S	TRI	SIN	ST12	TRG	GAS	SY	C				225	100	225	25	4V	
604	S+	TRI	SIN	T5	THY	GAS	SY	H	6.3	250	350	110	300	25	SAY		
1284	S*	TRI	SIN	ST12	THY	GAS	RC	H	6.3	600	350	300	300	75	60		
1258	S*	TRI	SIN	T6	THY	GAS	CH	H	6.3	1800	1K	20A	600	600	7FJ		
6097	S	TRI	SIN	T6	THY	GAS	#TS	H	28.0	420	1K	20A	50	50			
394A	S	TRI	SIN	ST14	THY	GAS	CH	F	2.5	3200	1K	2500	1K	640	4AW		
7191	S+	TRI	SIN	T6	THY	GAS	#TS	H	6.3	1800	1K	20A	1K	1000	7FK		
3236	S	TRI	SIN	ST16	THY	GAS	WE	F	2.5	7000	1K	6000	1K	1500	5AU		
393A	S	TRI	SIN	ST16	THY	GAS	WE	F	2.5	7000	1K	6000	1K	1500	5AV		
3C23	S	TRI	SIN	ST16	THY	GAS	GE	F	2.5	7000	1K	6000	600	2000	3G		
THYRATRON TETRODE TYPE																	
5643	S*	TEST	SIN	T3	THY	GAS	SY	H	6.3	150	500	100	150	16	8DD		
5663	S*	TEST	SIN	T5	THY	GAS	GE	H	6.3	150	500	60	11	20	6CE		
5696	S	TEST	SIN	T5	THY	GAS	GE	H	6.3	150	500	125	650	28	7EN		
2D21k	S+	TEST	SIN	T5	THY	GAS	#TS	H	6.3	600	1K	500	650	100	7BN		
502A	S	TEST	SIN	MTR	THY	GAS	GE	H	6.3	600	1K	1000	650	100	6ES		
2050W	S+	TEST	SIN	T9	THY	GAS	CH	H	6.3	600	1K	1000	600	100	6BS		
5727	S*	TEST	SIN	T5	THY	GAS	GE	H	6.3	600	1K	500	460	100	7BN		
6012	S	TEST	SIN	T12	THY	GAS	RC	H	6.3	2600	1K	500	650	500	6CO		

CHARACTERISTIC LISTING - CONTINUED

TUBE TYPE NUMBER	CONE NUMBER	KIND TYPE	USF BULB	USF BULB	TUBE CHAR	REG TYPE	K TYPE	TYPICAL FILAMENT CHARACTERISTICS			MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS			EIA BASE NO.
								V	MA	W	V	MA	W	V	MA	W	
INDICATOR ELECTRON RAY																	
6977		TRI	SIN	T2	IND	VAC	A M	F	1.0	3.0	65	750U	50	585U		FL	
1M3		TRI	SIN	T3	IND	VAC	A M	F	1.4	25	90	300U	0.4	85		FL	
6FG6		TRI	SIN	T6	IND	RE	H	6.3	270	300	3	0.5	250	2			
6BR5	S	TRI	T2N	T6	IND	AM	H	6.3	300	300	3	0.2	250	370U			
6DAS	S	TRI	T2N	T6	IND	AM	H	6.3	300	300	3	0.2	250	370U			
6E5	S	TRI	DIS	T9	IND	RC	H	6.3	300	250			250	240U		6R	
6AF6G	S	TRI	DIS	T9	IND	RC	H	6.3	150	250			250	2		7AG	
6HU6		TRI	DIS	T6	IND	AM	H	6.3	300	300	5	0.6	250	200U		9GA	
6AL7GT		HEX	SIN	T9	IND	GE	H	6.3	150	365			315			8CH	

6. List of Similar Types of Receiving Tubes

LIST OF SIMILAR TYPES OF RECEIVING TUBES *

TYPE NUMBER	SIMILAR TYPES
0A24A 0A3 0A46 0R24A 0T3	6073, 6622, 6830 VR75 1267 6174, 6627, 6831 VR105
0T3 0T4G	WR150 CK1003, CK1024
1A4 1AK4 1AU2 1R3GT 1RC2	1AK4 1AH4 1V2, 2AV2 1J3GT, 1J3 1RH2, 1BL2
1DN5 1G3GT 1J3A 1K3 1L4	1U5 1R3GT, 1J3 1K3, 163 1J3A, 1N2A 1T4, 1U4, 5910
1S5 1T4 1U4 1U5 1U6	1LD5, 1U5 1L4, 1U4, 5910 1L4, 1T4, 5910 1DN5 1L6
1x2	2A72
2A3 2AF4A 2C51 2CW4 2CY5	45, 5930 2D74, 2T4 407A, 5670, 6021, 6385, 7861 2DS4 2F45 2FA5, 2FV5, 2FV6
2D21W 2DS4 2DZ4 2F26 2F35	5727 2CW4 2AF4 6893 CK-02AX
2FR5 2FS5 2F05 2FY5 2FR5	2GK5, 2ESS 2F55, 2GK5 2F55, 2FY5 2F55, 2F55 2GK5

TYPE NUMBER	SIMILAR TYPES
2HK5 2T4	2GK5, 2HA5 2AF4A, 2D74
3A2	2BZ2
3A3 3AT2	3AW3, 3R2 3RN2
3AT2	3RA6
3AU6 3AW2	3AT2, 3CA3
3AW3 3R2	3A3, 3B2
3RA6 3AU6	3AW3,
3RN2	3AU6
3RU8	3AT2
3KFA8, 3HS8	3HS8
3CS6 3CB6	3CS6
3CF6 3CS6	3CB6
3CY5 3EA5	3AY6
3DZ4 3EA5	3AF4
3FR5 3F55	3CY5, 3FYS
3FR5, 3FHS	3FYS, 3FYS
3FQ5 3FYS	3F05, 3FYS
3FQ5, 3FHS	3F05, 3FYS
3FQ5, 3FHS	3GK5
3FQ5, 3FHS	3F05, 3FYS
3ER5, 3FSS	3F05, 3FYS
3FYS, 3FSS	3F05, 3FYS
3FYS, 3FHS	3F05, 3FYS
3HKS 3H45	3HKS
3HK5 3HM5	3HK5
3HM6 3HS8	3HK5 3HS8
3HS8	3HK5
3JH6 3JC6	3JH5
3KT6 3KF8	3KT6
3KU8, 3HS8	3KU8
3JC6 3N4	3JC6
3S4, 3V4	3S4
3V4	3Q4

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LIST OF SIMILAR TYPES OF RECEIVING TUBES *

Type Number	Similar Types
4AU6	4BA6 4B32 4BA6 4RC8 4BQ7
4BS8	4RC8, 4BQ7, 4HS8, 4CB6, 4BZ7
4BU8	4EW6 4FK5 4GJ7 4GM6
4BZ6	4BZ6, 4BC8, 4RQ7, 4BZ6
4CB6	4DE6 4EW6 4FK5 4GJ7 4GM6
4CE5	4CE5, 4BZ6
4EW6	4GM6 4HK5 4GX7 4EW6
4GJ8	4BUB, 4GS8, 4HS8, 4BUB, 4HS8
4GX7	4GJ7 4FK5 4HM5 4BUB,
4HK5	4HK5 4HM5 4BUB,
4HQ5	4HM5 4BUB,
4HS8	4KFB 4DE6 4GS8, 4KFB
4JC6	4KT6 4HT6 4DK6 4JK6 4KFB
4JD6	4HT6 4DK6 4JK6 4KFB
4JH6	4DK6 4JK6 4KFB
4JL6	4KFB
4KT6	4JC6
5AN8	5AV8, 5U4GA, 5AT8 5AV4
5AS4A	568, 5AX4, 5X8
5AT8	5CGB, 5X8
5AV4	5AS4, 5T4, 5AN8, 5R8
5AZ3	5AS4A, 5U4, 5W4, 5R8
5AZ4	5T4, 5Y3GT 5AN8, 5AV8
5R8	5ARB, 5U8 5RS8, 5BZ7
5RE8	5ARB, 5U8 5RS8, 5BZ7
5RQ7	5ARB, 5U8 5RS8, 5BZ7
5RR8	5RE8, 5UB 5BQ7, 5CGB
5RS8	5BZ7 5AT8, 5CQ8
5GCG	5X8 5CL8
5CM6	5FV8

Type Number	Similar Types
5CM8	5AN8
5CQB	5CL8
5DJ4	5DN4, 5V3
5DN4	5DJ4, 5V3
SEA8	SEHB, SEU8, 5GH8
5EH8	SEAB, SEUB, 5GH8
5EU8	SEHB, 5GH8
5FVB	5CL8A
5GH8	SEHB, SEU8
5JL6	5JK6
5KE8	5MB8
5K28	5GH8
5R4GYA	5AX4
5T4	5AS4, 5AZ4, 5U4, 5V3A, 5Y3GT, 5931
5U4	5AZ3, 5AS4, 5W4, 5AN4, 5931
5U8	5BEB, 5BR8
5V3	5DN4
5V4	5Y3GTA, 6087
5V6GT	5CM6,
5X4G	5U4, 5Y4GA
5X8	5AT8, 5CG8, 5U8
5Y3GT	5AZ4, 5T4, 5Z4, 5690, 6087
5Y4GA	5X4G
5Z3	5U4, 5Y3
5T4	5Y3, 6AX5, 5690, 6087
6A7	6ABGT
6AB4	6664
6AC7	6AB7, 1852, 6134
6AF4A	6T4
6AF6G	6355
6AG5	6BC5, 6186
6AG7	6AK7, 6BA6, 6BC5, 6BD6, 6CB6 6186, 7314
6AH6	6485
6AJ5	6F6
6AK5	5591, 6028, 5654, 6968, 7430
6AL5	5726, 6663
6AN4	6J4WA
6AN8	6AZ8, 6CH8, 6CU8, 7258
6AQ5	6005, 6094, 6669

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LIST OF SIMILAR TYPES OF RECEIVING TUBES *

TYPE NUMBER	SIMILAR TYPES	TYPE NUMBER	SIMILAR TYPES
6AQ6	6AT6, 6CN7	6RS8	6RC8, 6CH7, 7057
6AR5	7B5	6BU8	6HS8, 6KF8
6AR6	6098,	6RW4	724, 6203, 6754
SAR8	6JH8	6RX7	6AL7
6AS6	6BJ6, 5725, 5784WA, 6187, 6662	6RY6	6CS6, 5915A, 7036
6AS7GA	5998A, 6080WA, 6082, 6394, 6520	6BZ6	6DE6, 6676
6AT6	7501, 7236	6RZ7	6HC8, 6BS8, 6BQ7, 6CH7, 7057
6AT8A	6AQ6, 6AV6, 6CN7	6C4WA	6100, 6135
6AU4GTA	6CG8, 6X8A	6C5	6J5
6AU6	6BA6, 6136, 7543	6C6	6J7, 1620
6AU8	6RH8, 7060	6CL5	6DE6, 6676,
6AV5	6BQ6, 6CU6, 6FH6	6CB6	6EX6
6AV11	6011	6CD6	6AN5, 6DE6
6AW8	6BA8, 6KS8	6CE5	6CB6, 7056
6AX3	6BE3	6CF6	6CL3, 6BA3
6AX4GT	6DA4A, 6W4GT	6CG7	6EN7, 5692
6AX5GT	574, 6U87, 5Y3	6CG8	6AT8, 6X8A
6AY3	6DE4	6CH3	6CJ3
6AZ8	6AN8	6CH8	6AN8, 6CU8
6RA3	6CK3, 6CL3	6CJ3	6AN8
6RA6	5749, 6660, 7496	6CL6	12BY7, 6197, 6677
6RA7	6SB7	6CL8A	6CQ8,
6RA8	6AW8, 6KS8	6CM6	6EZ5, 6V6, 5992
6RC5	6AG5, 6186	6CM8	6CH8, 6CU8, 6EA8
6RC7	6RJ7	6CN7	6AQ6, 6AT6,
6RC8	6BZ7, 6BQ7, 6BS8, 6CH7, 7057	6CQ4	6DE4, 6DQ4
6RD6	6SK7WA, 7A7, 6137	6CQ8	6CLB, 6FV
6RE3	6AX3	6CX8	6GW8
6RE6	6CS6, 5750	6CS6	6BY6, 5915A, 5750
6RE8	6RR8, 6U8, 6678	6CU6	6AV5, 6FH6
6RF6	6RU6, 6SR7,	6CUB	6AN8, 6CHR
6RJ7	6G11	6CW4	6NS4
6RK7A	12AV7	6DB5	6CS5
6RL7GT	6RX7, 6SN7GT, 5692, 6CG7	6DC6	6CF6
6RL8	6MG8, 6LN8	6DQ4	6CQ4, 6DA4
6RQ6	6AV5, 6CU6, 6DW5, 6FH6	6DA4	6AU4GT, 6AX4GT, 6DM4, 6DQ4
6RQ7A	6RC8, 6BS8, 6RZ7, 6CX7	6DAS	6AR5
6RR5	6DA5	6DB5	6EW7, 6DR7
6RR8	6RE8, 6U8, 6678	6DC6	6DQ6

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LIST OF SIMILAR TYPES OF RECEIVING TUBES *

TYPE NUMBER	SIMILAR TYPES
6NL4	8255
6NM4	6AU4, 6DA4, 6DQ4
6N7	6FJ7
6DQ4	6CQ4, 6DA4, 6DE4
6DR4	12AX7, 6681
6DR7	6NE7
6DS4	6CW4
6DT4	6CQ4
6DW4	6AY3A
6DW5	6BQ6,
6DX8	6GN8
6DZ4	6AF4
6E5	6T5, 6US
6EA5	6CY5
6EA7	6GL7, 6EM7
6EB8	6EU8, 6GH8
6EB8	6GN8, 6HF8
6EH8	6FG7
6FH7	6EA7, 6GL7
6ERS5	6GK5
6ES5	6FQ5, 6FY5
6FS6	6ET6
6FT6	6FS6
6EU8	6EA8
6EW6	6CB6, 6CF6, 6DK6, 6DE6, 6676,
6EW7	7056, 7732
6EZ5	6FD7
6EZ5	6CM6, 6V6, 5992
6EZ8	6J9
6F6GT	6AJ5, 42
6FD7	6EW7
6FK5	6HK5
6FQ5	6ES5, 6FY5
6FV8	6CL8, 6CQ8
6FW8	6DJ8, 7803
6FX7	6HK8
6FY5	6ES5, 6FQ5
6GL1	6T10
6GE8	7734
6GH8	6JN8
6GJ5	6GT5, 6GN6
6GK5	6ERS5
6GL7	6EA7
6GN8	6EB8, 6JE8

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TYPE NUMBER	SIMILAR TYPES
6GQ7	6BC7, 6B17
6GS8	6HS8
6GJ5	6GJ6
6GW6	6JM6, 6J16
6GV5	6GJ5, 6GT5
6GW6	6GJ5,
6CX8, 6JV8	
6GY6	
6GJ5	
6GX6	
6HA6	
6HB6	
6EB8	
6FK5	
6HM6	
6HL8	
6HM5	
6GK5	
6HR6	
6HS6	
6485	
6BU8, 6GS8, 6KF8	
6HT6	
6ME8	
6AJ4A	
6J6	
6J7GT	
6J10	
6IB6	
6JC6	
6IE8	
6JF6	
6DE6, 6676	
6JH8	
6UL6	
6JM6	
6IN6	
6JN8	
6GH8	
6JT8	
6LBB	
6JV8	
6JW8	
6LX8	
6K6GT	
6K11	
6KA8	
6KD8	
6KE6	
6GY5	
6MB8	
6KF8	

LIST OF SIMILAR TYPES OF RECEIVING TUBES *

TYPE NUMBER	SIMILAR TYPES	TYPE NUMBER	SIMILAR TYPES
6KM6	6KV6	6AR14	8BQ11
6KN8	6BZ8	8AU8	8BH8
6KR8	6LY8, 6LB8	8AW8	8KA8, 8KS8
6KS8	6AW8, 6BA8	8BA8	8AW8, 8KS8
6KT6	6JC6	8BH8	8AU8
6KV6	6KM6	8BQ11	8AR11
6KV8	6LQ8	8CG7	8SN7
6KV8	6LR8	8E88	8GN8, 8JE8
6KZ8	6GH8		
6L6GB	5881, 5932, 7311		
6LB8	6JL8	8GJ7	8GX7
6LC8	6KA8		
6LN8	6MG8		
6LQ8	6KV8		
6LX8	6JW8		
6LYA	6KRB, 6LB8, 6KV8	8GN8	8EE8, 8JE8
6M8	6BL8	8GX7	8GJ7
6011	6K11	8JE8	8EE8, 8GN8
6SA7GT	6BA7, 6BE6	8JL8	8GN8
6SC7	6851	8KA8	8LC8
6S7	6SH7,	8KS8	8AW8, 8BA8
6SH7GT	6SG7GT	8KA8	8KC8
6SJ7WGT	6SK7, 5693,	8SN7GTB	8CG7
6SK7WA	6SD7, 5697,		
6SL7WGT	6SU7, 5691,		
6SN7GTB	6J5, 5692	9KZ8	9GH8
6SU7GTY	6SL7, 7F7, 5691, 6113, 6188		
6T4	6AF4A		
6T8	6V8		
6T10	6G11, 6BF11		
6U8A	6BEB, 6RR8, 6678, 7059, 7731	10C8	7258
6V6GT	6CH6, 5992, 7408	10DE7	10EW7, 10DR7, 10FR7
6W4GT	6AX4, 6U4,	10DR7	10DE7
6W6GT	6CS5, 6DG6	10DX8	10GN8
6X4WA	7Y4, 5993, 6202, 6203, 6754	10EW7	10FD7
6X5GT	6X4WA, 7Y4, 5852, 5993, 6202	10FD7	10EW7
6X8A	6AT8, 6CG8	10FR7	10DR7, 10EM7
6Y6GA	6U6, 25C6	10HF8	10JT8, 11JE8
6Z10	6J10	10JT8	10LB8
		10LB8	10JT8
7A6	5679	11BT11	6AF11
7DJ8	7ES8	11JE8	10HF8, 10JT8
7ES8	7DJB	11KV8	11L08
7HG8	7GS7	11LQ8	11KV8
		12AB5	12CH6, 12V6, 7061

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LIST OF SIMILAR TYPES OF RECEIVING TUBES *

TYPE NUMBER	SIMILAR TYPES	TYPE NUMBER	SIMILAR TYPES
12AC6	12AF6, 12AG6, 12EG6, 12FA6	12D04	12D4A, 12DM4
12AD6	12AX7, 12DF7, 6681, 7025	12D07	12BY7, 12BV7, 7054, 7733, 8077
12AD7	12AD6, 12AG6, 12EG6	12D18	12AZ7, 12AU1, 6679
12A6	12AL11, 13V10	12DW5	12B06, 12CU6
12AF10		12DW7	7247
12AJ6	12EL6	12E6	12AD6, 12AG6, 12FA6
12AI5	7055	12EL6	12AJ6
12AL11	12AE10, 12T10	12EN6	12L6, 12W6
12AT6	12AV6, 12BK6	12FK6	12FM6
12AT7	12DT8, 6201, 6679, 7728	12FM6	12FK6
12AU6	6265, 6661	12GC6	12GE5
12AU7A	5814A, 5963, 6189, 6680, 7730	12GE5	12GC6
12AU8	12CT8, 7060	12GJ5	12GT5, 12GW6
12AV5	12CU6	12GT5	12GJ5, 12GW6
12AV6	12BK6, 1BFY6	12GV5	12JN6
12AV7	6RK7A, 5965, 6829	12GW6	12GJ5, 12GT5
12AV6	6AG5, 6BH6	12HG7	11HM7
12AV3	12BF3	12J5WGT	12GA4, 12H4
12AX4GT	6W4GT, 12D4	12JB6	12JT6
		12GV5	12GV5
12AA7	6DR4, 12AD7, 12DF7, 12DT7, 6681	12L6	12EN6, 12W6
	7025, 7058	12SA7GT	12BA7
12AV3	12D4A	12SC7	5751, 6851
12AY7	6072	12SG7	12SH7
12AT7	12AT7, 12DT8, 6201, 6679	12SH7	12SG7
12BA6	5749, 6660	12SJ7	12SK7
12BA7	12SA7	12SK7GT	12BD6, 12SJ7GT, 5693, 6137
12BD6	12SK7,	12SL7GT	12SH7
12BF6	12BU6, 26C6	12SR7	12SR7
12BH4A	6350	12T10	12AL11
12B06	12AV5, 12CU6, 12DW5	12V6GT	12AB5, 12CM6
12BR7	8447	12W6GT	12EN6, 12L6
12BV7	12BY7, 7733	13DE7	13DR7
12BY7	12BV7, 12D07, 6677, 7054, 7733	13DR7	13DE7
	8077	13FD7	13FM7
12BZ6	6676	13J10	13Z10
12C5	12CU5, 12DM5	13V10	12T10
12CK3	12CL3	13J10	13J10
12CL3	12CK3	14BL11	15AF11
12CH6	12ARS5, 12V6	14F7	12SL7, 14AF7
12CT8	12AU8,, 7060	14GT8	14JGB, 7724
12CU5	12CS5, 12DV5	14JGB	14GT8, 7724
12CU6	12AV5, 12RQ6	15HA6	15HB6
12DL8	12DS7A	15HB6	15KA6
12DM4	12D4A	16GY5	16KY5

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LIST OF SIMILAR TYPES OF RECEIVING TUBES *

TYPE NUMBER	SIMILAR TYPES
16KA6 17AX3 17AY3 17BE3 17BH3	16GY5 17BE3, 17BH3 17DA4 17AX3, 17AH3 17CK3, 17CL3
17CK3 17D4 17DE4 17DM4 17DG4	17DE4, 17DM4 17D4, 17DM4, 17DG4 17DG4, 17DE4 17DM4
17GJ5 17GT5 17GV5 17GW6 17JM6	17GT5, 17GW6 17GJ5, 17GW6 17JM6, 17JN6 17GJ5, 17GT5 17GV5, 17JN6
17JN6 18FW6 18GD6 19DE7 19EA8	17GV5, 17JM6 18GN6 18FW6 19EW7, 20EW7 19HV8
19JNB 19KG8 19G9 19T8	19KGB 19JNB 19HV8, 19JNB 19V8
20EW7	19DE7 21JV6, 21JZ6, 21KA6 21JB6 21JZ6 21KA6
22JF6 22JG6 25AV5GA 25AX4GT 25B06	22JG6 22JF6 25CU6 25W4 25CU6
25C5 25C6 25CA5 25CD6 25CU6	25CA5 26E6WG 25C5 25EC6 25AV5
25EC6 25LG6T 25W4GT 25K6GT 25Z6GT	25CD6 25W6, 6046 25AX4 25L6, 6046 25Z5, 50X6, 50Y6

TYPE NUMBER	SIMILAR TYPES
26C6	12BF6
32ET5 34GDS 35BS 35CS 35W4	32ET5 34GDS 35BS 35CS 36AM3
36AM3 38HE7 38HK7	36AM3 38HE7 38HK7
50C5, 50HK6 50CS 50FS 50EH5 50FK5 50HK6	50C5, 50HK6 50CS 50FS 50EH5 50FK5 50BS5, 50CS
50X6 50Y6GT 25Z6GT, 50X6	50X6 50Y6GT 25Z6GT, 50X6
117LTGT	117MT
3238 3934	3238 3934
408A	6028
CK502AX 502A CK512AX	2E35 2050W 6281

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TYPE NUMBER	SIMILAR TYPES
CK1047	6763
1216	5844
1217	5915A, 7036
1218	8334
1252	6KD8
1258	7190, 7191, 7192
1620	6J7, 6C6
2050W	502A
5636	5916, 6944
5641	7436
5643	5696
5654	6AK5, 7083, 7430
5670WA	2C51, 6854, 6385, 6021, 7861
5676	6050
5686	6K6GT
5687WA	6900, 7370, 7044
5690	524, 6AX5GT, 6087
5691	6SL7, 6113, 6188, 6SU7
5692	6SN7, 6CG7
5693	6SJ7, 6SK7
5696	5643
5702WB	6AK5, 6540, 7083, 7430
5718	8527
5725	6AS6, 6187
5726	6AL5, 6097
5727	2D21
5744	6247
5749	6AU6, 6BA6, 6660
5750	6BE6, 6CS6
5751	12SC7, 12AX7, 7494
5755	420A
5763	6417, 6159, 6146
5784WA	6AS6, 5725, 6486
5814A	12AU7, 6189, 6680, 7489, 7730
5824	25B6G
5839	5838, 5852
5840	6205, 5906
5842	417A

TYPE NUMBER	SIMILAR TYPES
5844	6J6, 1216, 6211
5847	404A
5879	6J7
5881	6L6, 5932
5886	5889
5886	5896
5893	5903, 6110
5899	6206
5902	6222, 7762
5903	5896, 6110
5907	5905
5907	5840, 6205
5915A	5905
5916	68E6, 6CS6, 1217, 7036
5905	5906
5931	5U4, 5AS4
5932	6L6, 807, 5881
5933	807, 6L6
5950	5841
5964	6J6, 6099, 6101
5965	6829
5977	5946
5992	6CM6, 6V6, 7408
5993	6X4, 6X5, 7Y4, 6202, 6203
5994	421A, 7236
6005	6AQ5, 6095, 6669
6021	6BF7
6028	408A
6046	25L6, 25W6
6050	5676
6072	12AY7
6073	0A2IA, 6626, 6830
6074	0B2WA, 6627
6080	6AS7, 6082, 6520, 7105
6082	6AS7GA, 6080, 6520, 7105
6087	5Y3WGTA, 5Z4, 5690, 6AX5, 5V4
6094	6A05, 6005, 6095, 6669
6099	6J6, 6101, 5964
6106	6J6, 5964, 6099
6853	6853
5896,	5903
6110	6111
6111	7079
6112	7889
6134	6AB7, 6AC7
6135	6C4WA, 6100

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LIST OF SIMILAR TYPES OF RECEIVING TUBES *

TYPE NUMBER	SIMILAR TYPES
6136	6AU6, 7543
6137	6RD6, 6SK7GT, 7A7
6143	6119, 6883, 8032
6146	6159, 6883, 8032
6159	6146, 7357, 8032
6186	6AG5, 6AK5, 6BC5
6187	6AS6, 5784
6188	6SL7, 6SU7, 6113
6189	12AU7, 5814A, 6680, 7730
6197	6CL6, 12BY7, 6677
6201	12AT7, 12AZ7, 12DT8, 6679, 6202
6202	6754, 6X5, 7Y4, 5993, 6203, 6754
6203	6BW4, 6X4, 6X5, 7Y4, 5993, 6202,
6205	6754, 5906, 8530
6206	5840, 5906, 8530
6211	5899
6224	5844
6245	5902, 7762
6247WA	6540
6248	6533
6281	6BH6, 12AU6, 6661
6293	CK512AX
6299	7356
6350	7644, 7784
6360A	12BH7, 6463, 6913
6385	8457
6417	2C51, 5670, 6021, 6854
6438	5763
6448	CK548DX
6449	CK549DX
6456	CK1036
6437	CK1037, 6438
6540	6437
6626	6350, 6840
6485	6AH6, 6HS6
6520	6AS7GA, 6080, 6082, 7105
6533A	6247WA
5702	6437
6626	0A2, 6073, 6830
6485	0B2, 6074, 6831
6659	CK1042, CK1027
6660	6BA6, 12BA6, 5749

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TYPE NUMBER	SIMILAR TYPES
6661	6BH6, 12AU6, 6265
6662	6RJ6, 7694
6663	6AL5, 5726
6664	6AB4
6669	6AQ5, 6005
6676	12BZ6
6677	6CL6, 12BY7, 6197
6678	6BR8, 6BE8, 6U8
6679	12AT7, 12AZ7, 12DT8, 6201, 7728
6680	12AU7, 5814A, 6189
6681	12AD7, 12AX7, 12DF7, 7025
6829	5965
6832	5755
6840	6463
6842	7234
6883	6146, 6159, 7357, 8032
6893	2E26
6900	5687, 7044
6922	6DJ8, 6FW8, 7308, 7803
6943	5636, 6944
6944	5636, 6943
6946	5977
6947	2C51, 5670
6973	6C25
7025	12AD7, 12AX7, 12DF7, 6681
7036	6BY6, 5915A
7044	5687, 6900
7054	12BY7, 8077
7055	12ALS
7056	6CB6, 6CF6
7057	6BC8, 6B07, 6BS8, 6B27
7058	12AX7
7059	6UB, 7731
7060	12AU8, 12CT8
7061	12AB5
6111	6CY5, 7717
7079	8327
7083	6AK5, 5702
7105	6AS7, 6080, 6520
7161	7192
7167	1258, 7191, 7192
7189	1258, 7190, 7192
7191	1258, 7190, 7192
7192	1258, 7190, 7191

LIST OF SIMILAR TYPES OF RECEIVING TUBES *

TYPE NUMBER	SIMILAR TYPES
7199	7687
7212	7358
7235	2C3
7236	5998A
7247	12DW7
7286	7894
7303	6D18, 6FW8, 6922, 7803
7327	7550
7357	6146, 6159, 6883, 8032
7358	6293, 7212
7370	5687, 6900, 7044
7400	7401
7408	66M6, 6V6
7486	7720
7489	12AU7, 5814A, 6189, 6680, 7730
7492	12AT7, 12DT8, 6201, 6679, 7728
7494	12AX7
7496	65A6, 5749, 6660
7498	6CE5
7543	6136
7550	7327
7551	7558
7558	7551
7588	7768
7596	7597
7597	7596
7599	7600, 7602
7600	7599, 7602
7602	7599, 7600
7626	CA578AX
7643	8445, 8446
7644	7784, 6299
7687	6AN8, 7199
7694	6662
7695	7754
7717	6CY5, 7167
7720	7486
7724	14GT8, 14JG8
7728	12AT7, 6201, 6679
7730	12AU7, 6189, 6680, 7489
7731	6UB, 7059
7732	6CG6, 6CF6, 7056
7733	12BY7, 7034, 8077
7754	7695
7760	7887

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7. EIA Basing Connections

EIA BASE CONNECTIONS - CONTINUED

BASE NO.	1	2	3	4	5	6	7	8	9	10	11	12	CP	CP
6BW	F	1P	1G2	2P		1G1	F							
6BX	F	P	G2	IC	FCT	G1	F							
6CC	G1	K	H	H	P	G2								
6CE	G1	K	H	H	G2	P								
6CJ	P	H	P	K	H	G2								
6CK	G1	H	K	P	H	G2								
6CL	F	P	FCT	G2	F	G1								
6CN	2K	H	IC	2P	1P	H	1K							
6CO	K	H	G1	P	H	G2								
7B	H	2P	2G1	K	1G1	1P	H							
7C	H	P	G3	G2	G1	K	H							
7Q	1S	H	2P	2K	1P	H	1K							
7R	SH	H	P	G2	G3	H	K							
7S	IS	H	P	G2	G1	H	K							
7AG	IS	H	2G1	1G1	T	H	K							
7AT	F	P	G2	G1	F	G3	F							
7AV	F	P	G1	G2	F	P	F							
7AZ	SH	1G1	K	1G2	2P	1P	H	H						
7RA	F	P	G1	G2	FCT	P	F							

BASE NO.	1	2	3	4	5	6	7	8	9	10	11	12	CP	CP
7BR	F	P	G2	G1	FCT	P	F							
7BC	F	2P	2G1	FCT	1G1	1P	F							
7BD	G1	K	H	H	P	G2	K							
7BK	G1	G3	H	H	P	G2	K							
7BF	2P	1P	H	H	1G1	2G1	K							
7BN	G1	K	H	H	G2	P	G2							
7BO	G1	K	H	H	G1	G1	P							
7BS	P	K	H	H	P	G1	K							
7BT	1G1	K	H	H	2P	3P	1P							
7BZ	G1	K	H	H	P	G2	G1							
7CH	G1	G5	H	H	G1	G3	64	F						
7CK	K	H	G2	K	G1	K	H	SH						
7CL	FCT	F	G2	FCT	G1	FCT	F	SH						
7CI	G3	63	63	63	63	63	63	1S	1S	1S	1S	1S	1S	P
7CV	K	G1	H	H	P	G2	G3							
7CY	G3	61	H	H	61	62	FCT	G1	F	FCT	P	G3		

EIA BASE CONNECTIONS - CONTINUED

BASE NO.	PIN NUMBER												CP	CP	PIN NUMBER														
	1	2	3	4	5	6	7	8	9	10	11	12	CP	CP	1	2	3	4	5	6	7	8	9	10	11	12	CP	CP	
7DC	F	P	G2	G1	G3	G4	F								AQ	SH	1G1	K	3P	2P	1P	H	H						
7DF	K	G1	H	H	G2	G3	P								AS	SH	2P	2G1	1G1	1P	K	H	H						
7DS															8V	H	P	G2	G3	1S	G1	K	H						
7DK	P	G1	H	H	K	G1	P								8Y	G3	H	G1	K	G2	H	P							
7EA	K	2P	H	H	1P	1G2	1G1								8AD	1S	H	P	G2	G1	K	H	G3						
7EG	K	G1	H	H	P	K	G1								8BD	2G1	2P	2K	1G1	1P	1K	H	H						
7EN	G1	K	H	H	P	G2	G3								8BK	SH	H	K	G1	K	G2	H	P						
7EQ	G2	H	K	G1	K	H	K								8BU	1G1	K	2G1	2P	1G2	H	H	1P						
7EJ ₁	G1	K	H	H	P	G2	K								ACH	G1	H	T	D2	D3	D1	H	K						
7FD	K	G2	H	H	G1	G1	P								ACJ	H	2K	2G1	2P	1S	1P	1G1	1K	H					
7FJ	G1	K	H	H	K	K	P								ACK	1P2	1K	1P1	2G	2K	H	H							
7FK	G1	K	H	H	K	K	K								ACT	G2	G1	K	H	H	G5	G3	1S	P					
7FL	P2	H	H	K	1S	P1									8DC	G1	K	H	G3	P	H	G2	K						
7FP	K	G1	H	H	P	1S	K								8D	D1	P	G2	H	G2	K								
7FC	G1	1S	H	H	P	G2	K								8DF	G1	K	H	K	P	H	G1	G2						
7FZ	K	G1	H	G2	HCT	P									8DG	2P	2G1	H	2K	1K	H	1G1	1P						
7GA	G1	K	H	H	P	G3	K								8DJ	2P	K	H	SH	1P	H	1K							
	G2	G4	G4	G4	G4	G4									8DK	G1	H	K	H	K	H	G2	K						
7GE	1S	H	H	P	G2	K									8DL	G1	K	H	K	P	H	G2	K						
7GM	G1	K	H	H	P	1S	K								8DM	G1	P	H	P	K	H	G2	K						
8K	IC	H	1P	1G2	1G1	2P	H								8EC	K	H	G2	K	G1	K	H	SH	P					
AN	SH	H	G3	G1	K	G2	H									1S	1S	1S	1S	1S									
	1	2	3	4	5	6	7	8	9	10	11	12	CP	CP		1	2	3	4	5	6	7	8	9	10	11	12	CP	CP

EIA BASE CONNECTIONS - CONTINUED

BASE NO.	EIA BASE CONNECTIONS												EIA BASE CONNECTIONS															
	1	2	3	4	5	6	7	8	9	10	11	12	CP	CP	1	2	3	4	5	6	7	8	9	10	11	12	CP	CP
8EL	G1	H	P	H	K								RLN	K	G1	H	IC	IC	H	P	K							
8EZ	IC	H	IC	IC	H	K							RLF	P	G1	H	K	K	H	G1	P							
8FU	K	H	G1	H									RLJ	F2	F1	G2	F2	G1	F2	F1								
8FY	P	G1	G1	P	K	H	H	P					HLK	2P	2G1	2K	H	H	1P	1G1	1K	IS						
8GC	K	H	IC	IC	G1	IC	H	IC					RLM	2P	2G1	2K	H	H	1P	1G1	1K							
8GR	G2	H	K	G1	G1	K	H	G2					RLS	K	K	H	G3	P	H	G2	G3							
8GH	IC	H	G3	IC	IC	IC	H	IC					RLT	P	G	H	H	H	H	H	HCT							
8GT	IC	H	IC	IC	IC	IC	H	IC					ALW	K	H	IC	K	H	P									
8HF	G1	H	IC	G2	G1	H	K	G3					AMG	IS	H	G3	G2	G1	H	K								
8HY	G2	H	P	G2	G1	G1	H	K	G3				AMN	IC	H	IC	IC	IC	H	IC	K							
8JB	G1	H	G1	P	H	K							9A	2P	2G1	2K	H	H	1P	1G1	1K	HCT						
8JC	G1	H	K	G2	G1	K	H	G2					9E	1P3	2P	2K	H	H	1P2	1K	1G1	1P	IS					
8JP	2G1	H	2P	1G2	1G1	1P	H	K	G3				9F	G2	1G1	2G1	H	H	K	2P	1P	K						
8JX	H	K	G2	G1	H	G2							9G	K	G1	K	H	G2	P	K	G2							
8KR	H	P	G2	G1	H	G3							9H	2P	2G1	2K	H	H	1K	1G1	HCT	1P						
8KM	H	G1	P	G1	K	G1	H	K					9J	2P	2K	2G1	H	H	1G1	1K	1P	HCT						
8KN	H	P	K	G1	H	G2							9K	P	G3	H	H	G2	K	G1	G1							
8KO	H	P	G2	K	G1	H	G2						9L	P	G3	F	F	G2	G1	G3	FCT							
8KS	F1	F2	P2	P1	P1	F2	F2						9M	P1	K	H	H	P2										
													9U	P	IC	IC	F	IC	IC	H	P							
													9V	P	H	G1	G1	G1	G1	H								
	1	2	3	4	5	6	7	8	9	10	11	12	CP	CP	1	2	3	4	5	6	7	8	9	10	11	12	CP	CP

EIA BASE CONNECTIONS - CONTINUED

BASE NO.	1	2	3	4	5	6	7	8	9	10	11	12	CP	CP
9X	G1	H	K	P	G2	H								
			G3	IS										
9Y	F1	F2	IC	F1	F2	F1	IC	F2	F1					
9AC	IC	K	G1	H	H	G1	IC	IC	P					
9AD	G1	K	H	H	G2	P	G3							
9AE	2P	1G1	1G2	H	H	1P	1K	2K	2G1					
					1G3	IS								
9AG	K	G1	HCT	H	H	G1	P							
9AH	1P	1P1	1K	H	H	1G1	2P	2K	1P2					
9AJ	2P	2G1	2K	H	H	1P	1G1	1K	IS					
9AK	1G3	2G1	2P	H	H	K	1G1	1G2	1P					
9AQ	K	G1	K	H	H	1S	P	G2	G3					
9AX	3K	3P	1S	H	H	2P	2K	1P	1K					
9AZ	G2	G1	K	H	H	P	IC	IC						
9BD	P	H	H	P	P	P			K					
9BF	K	G1	G3	H	H	HCT	P	G2	G3					
9BQ	P	G1	H	H	K	G1	G2	G1	IS					
9BV	K	G1	G2	H	H	P	G3	G2	G1					
9BX	G1	K	G1	G1	P	G1	H	H	G1					
9CA	1G2	1G1	K	H	H	1P	1G3	2P	2G1					
	1G4	1G5	IS											
9CB	IC	IC	H	H	IC	IC	IC	P	K					
9CD	P2	H	H	K	P1									

BASE NO.	1	2	3	4	5	6	7	8	9	10	11	12	CP	CP
9CE	P	G1	K	H	H	P	G2	K	G3					
9CF	1P	1G1	1K	H	H	2P2	2P1	2K	HCT	IS				
9CK	G2		G1	H	H	G1	K	G3	P					
9CV	IC	G1	K	H	H	1C	P	IC	G2					
9CY	1K	1G1	1G2	H	H	1P	1G2	1G3	H	1P	2K	2P	1G3	
9C7	2P	2K	2G1	H	H	1P	1K	1G1	HCT					
9DA	2P	2G1	2K	H	H	1P	1G2	1G1	K	IS				
9DC	2P	1G1	1G2	H	H	1P	1K	2K	2G1					
9DD	2K	2G1	2P	H	H	1G1	1K	1K	1P	IS				
9DE	2P	2G1	2K	H	H	1P	1G1	1K	IS					
9DH	G1	G2	H	P	H	G1	G2	K	G3	P				
9DJ	P2		H	H	H	P1								
9DP	D2	D1	G3	H	H	G1	K	P1	P2					
9DR	P	G1	G1	H	H	G1	G2	K	P					
9DS	1G2	1G1	1K	H	H	2P	1G3	2K	1P					
9DT	K	H1	K	H1	K	H2	H2	H1	H1	K	H2	H1	P	
						IS	IS	IS	IS					
9DW	2G1	2P	K	H	H	1P	1G2	1G3	1G1					
9DX	2K	2G1	2P	H	H	1K	1G1	1G2	1P	IS				

EIA BASE CONNECTIONS - CONTINUED

BASE NO.	1	2	3	4	5	P I N	N U M B E R	7	8	9	10	11	12	C P
9DZ	2K	2G1	2P	H	H	1G1	1K	1G2	1P					
9EC	2K 1G3 1S	2G1	2P	H	H	1G1	1K	1G2	1P					
9ED	1P	1G2	1K	H	H	1G3	1G1	2K	2P	2G1				
9EF	2P		2G1	H	H	1P	1G1	1K	2K					
9EG	2G1	2P	2K	H	H	1P	1G2	1K	1G1					
9EN		2P2	2P1	2K	H	H	1K	1G1	1P	HCT				
9EP	2P		2G1	2K	H	H	1P	1G1	1K	1C				
9EO	K	G1	K	H	H	IC	P	G3	G2					
9ER	3P	3K	2K	H	H	2P	1P	1G1	1K					
9ES	2P		1K	H	H	1P	1G1	2G1	2K					
9EU	G2	G1	H	H	G1	K	G2	P	G3					
9EX	2G1	1K	1G1	H	H	1P	1G2	2K	2P					
9FA	2G1	2P	2K	H	H	1P	1G2	1K	1G1					
9FG	K	G2	2P	H	H	2G3	G1	1P	1G3					
9FK	K		P	H	H				P					
9FN	1G1	1G3	2K	H	H	2P	1P	1G2	1K					
9FR	P	G1	P	H	H	P	G1	K	P					

EIA BASE CONNECTIONS - CONTINUED

BASE NO.	NUMBER OF PINS												EIA BASE CONNECTIONS			
	1	2	3	4	5	6	7	8	9	10	11	12	CP	CP	CP	CP
9HP	IC	P	IC	H	H	IC	P	IC	K							
9HX	2G1	2P	2K	H	H	1P	1K	1G1	1G2							
9JF	1G1	1K	1G2	H	H	1P	2K	2P	2G1							
9JF	1G1	2K	2G1	H	H	2P	2G2	1K	1P							
9JF	2G3		1S													
9JF	1P	2G1	2P	H	H	2K	1G1	1K	1G2							
9JG	K	2G1	2P	H	H	K	1G1	1G2	1P							
9JL	G2	1C	P	H	H	IC	G1	HCT	G3							
9JT	2P	1P	1G2	H	H	1K	1G1	2K	2G1							
9KA	3K	2G1	3P	H	H	2P	2G1	1P	1G1							
9KL	K	H	G2	K	K	K	H	K	G3							
9KE	K	H	K	G1	K	H	K	G1		P						
9KH	G1	G3	1C	H	H	62	G3	1C	K		P					
9KN	1P	2G2	2P	H	H	1K	2G1	1K	1G							
9KP	1P3	2G1	2P	H	H	1G1	1G2	1P2	1P1							
9KR	2K	2P	3K	H	H	2P	1K	1G1	1P							

BASE NO.	NUMBER OF PINS												EIA BASE CONNECTIONS			
	1	2	3	4	5	6	7	8	9	10	11	12	CP	CP	CP	CP
9KS	K	62	G1	H	H	P2	P1	D2	D1							
9KT	2P1	2G1	2P2	H	H	1P1	1G1	1P2	K							
9KL	2G1	2K	1G1	H	H	1G2	1P	3P	2P							
9KV	1G2	1G1	1P	H	H	2G1	1K	2P	1G3							
9LJ	K	G1	K	H	H	G3	G2	P	G4							
9LK	K	G1	G2	H	H	P	G3	G2	K							
9LP	2P	2G1	2K	H	H	1P	1G1	1K								
9LQ	1G3	1G1	K	H	H	1G2	1P	2P	1S							
9LS	H	H	2K	2G1	2P	1P	1G1	1K								
9LT	2K	3P	2P	H	H	1K	1G1	1G2	1P							
9LX	1S	H1	1S	H1	K	H1	H2	H2								P
9LY	2P	2G1	2K	H	H	1P	1G2	1G1	1G1							
9LR	2G1	2K	1G2	H	H	1P	1G1	1G2	1P							
9MR	3G1	3P	2G1	3K	H	1P	1K	1G1	2P							
9MJ	H	H	HCT	2K	2G1	2P	1P	1G1	1K							
9MP	K	1G1	K	H	H	2G1	2P	1P	1G1							
	SH	1G3	1G3	SH												
	1	2	3	4	5	6	7	8	9	10	11	12	CP	CP	CP	CP

EIA BASE CONNECTIONS - CONTINUED

BASE NO.	1	2	3	4	5	6	7	P 1 N	N U M R E R	7	8	9	10	11	12	CP	CP
9MR	K	G1	K	H	K	1G1	1G2	1P1									
9MS	K	G1	K	H	P	G2	K	G2									
9MX	P	G1	K	H	P	G1	K	HCT									
9MZ	K	G1	K	H	IC	P	G3	G2									
9NF	G1	G2	H	H	G1	G2	K										
9NF	P2	K	D2	H	H	G1	D1	G2	P1								
9NH	G1	G1	K	H	G2	G2	K	IC									
9NJ	1G2	1G1	1P	H	H	2G1	K	2P	2G2								
9NO	D2	P2	G3	H	H	G1	K	P1	D1								
9NT	F	IC	F	IC	2P	IC	IC	IC	1P								
9NW	K	G1	G3	H	C2	P	G2	G3									
9NX	6P	5P	4P	H	H	K	3P	2P	1P								
9NY	G1	K	G1	H	H	G1	G1	P	G1								
9NZ	G2	G1	K	H	G1	G2	IC	P									
9PA	K	2G1	2G2	H	H	2P	K	1G1	1P								
9PH	F	G1	G2	FCT	FCT	P	G3	G2	F								
9PJ	P	2K	2G1	H	H	1P	1G2	K	1G1								
9PL	K	G2	H	H	K	G1	G2	K	G3								

BASE NO.	1	2	3	4	5	6	7	P 1 N	N U M R E R	7	8	9	10	11	12	CP	CP
9PM	K	G1	K	H	H	H	H	P	62	G3							
9PQ	4P	4K	3K	H	H	1S	2P	2K	1K								
9PU	K	G1	G3	H	H	IC	P	G2	G3								
9PV	2P	2G	K	H	H	1G1	1G3	1G2	1P								
9PW	1G1	K	2G1	H	H	1P	1G2	2P	HCT								
9PX	62		H	H	G1	G3	P										
9PY	P		G	H	H	K	G	HCT									
9PZ	P	G3	G2	H	H	G3	K	G1	K								
9QA	2K	2G1	2K	H	H	2P	2G2	1P	1G								
9QN	1K	2G	2K	H	H	2P	1P	1G									
9QF	2K	2G	2P	H	H	1K	1G1	1G2	1P								
9QG	1P3	1P2	2P	H	H	K	1G1	1G2	1P								
9QK	G2	G1	K	H	H	G1	G2	IC	P								
9QL	62	G1	K	H	H	G1	G2	G3	IC								
9QN	1G1	F	2G1	F	F	1P	1G2	2P	F								
9QP	2K	2G1	2P	H	H	1K	1G1	1G2	1P								
9QR	2G1	2G3	1G1	F	F	2P	1G2	1P	F								
9QT	2K	1G1	1K	H	H	1P	1G2	2P	G								

FIA BASF CONNECTIONS - CONTINUED

BASE NO.	P 1 N NUM B F R												P 1 N NUM E R				P 1 N NUM E R											
	1	2	3	4	5	6	7	A	9	10	11	12	CP	CP	1	2	3	4	5	6	7	A	9	10	11	12	CP	CP
9G11	G2	G1	K	H	H	G3	G2	I	C	P			10N	1P	1G2	1G1	K	H	H	2P	2G2	2G1	K					
9GV	2G1	F	F	2P	1G2	1P	F	F	1G1				12A0	1C	P	1C	G1	1C	1C	K	1C	H						
9QW	G1	G1	K	H	H	1C	P	I	C	G2			12A5	1C	G2	1C	G1	1C	1C	K	1C	H						
9QX	G3	G1	F	F	G2	G3	P	P					12BF	H	3K	3G1	3P	2G1	2P	2K	1P1	1K	.1P2	1S	H			
9QY	P	G	K	H	G1	K	G2	P					12BJ	H	G2	G1	K	IC	IC	P	IC	IC	K	G1	H			
													12BL	H			P											
9QZ	1P	1G3	K	H	H	2P	2G3	G2	G1				12BM	H	261	2P	1C	2K			1K	1G1	1P	H				
9RH	1K	1G2	1P	H	H	2P	2K	2P	1G1				12BQ	H	3P	3K	1K	2P	2K	2G1	1C	1G1	1P	3G1	H			
9RF	K	G1	H	H	G3	P	G2						12BT	H	2G2	2K	1P	1G3	1G2	1G1	1K	2P		2G1	H			
9RG	F	IC	IC	F	IC	IC	IC	IC	P				12BU	H	2K	2G1	2G3	1S	2P	2G2	1G1	1K	1G2	1P	H			
9RJ	G1	G3	G2	H	H	G2	G3	G1	K				12BW	H	2G2	2P	2G3	2G1	2K	1G2	1K	1P	1G3	1G1	H			
9RI	3K	3G2	3P	H	H	2P	1K	1P	3G1				12BY	H	3P	3K	1K	2P	2K	2G1	1S	1G1	1P	3G1	H			
	1S												12CA	H	3G1	3G2	2K	261	2P	1P	1G1	1K	3K	3P	H			
9RQ	3P	2P	1P	H	H	1G	K	2G	3G				12CT	K														
9RT	H	H	H	H	H	H	H						12DA	H	4K	4P	3K	3G1	3P	2P	2G1	2K	1P	1K	H			
	K	1S	K	K	K	1S							12DG	H	IC	IC	IC	IC	IC	IC	IC	IC	IC	H	P			
9RU	D2	D1	G3	H	H	G1	K	P2	P1				12DM	H	2P	2G2	2G3	2G1	2K	1G3	1P	1G2	1G1	1K	H			
10F	?G1	?G2	2P	H	H	1K	1G1	1G2	1P	2K			12DP	H	1P	3G1	3P	2K	2G1	3K	2P	1K	1G2	1G1	H			
10G	3P	?G1	3K	H	H	2P	1G1	1P	2G1	1K			12DQ	F	IC	IC	IC	IC	IC	IC	IC	IC	IC	F	P			
10K	2K	1K	1G1	1G3	H	H	1P	1G2	2P	2G																		
10L	2G1	2K	2G2	P	H	H	1K	1G1	1G2	P																		
	2G3									1S																		
	1	2	3	4	5	6	7	8	9	10	11	12	CP	CP	1	2	3	4	5	6	7	8	9	10	11	12	CP	CP

FIA BASE CONNECTIONS - CONTINUED

BASE NO.	1	2	3	4	5	6	7	8	9	10	11	12	CP	CP	PIN NUMBER								PIN NUMBER							
															-	P	I	N	U	M	B	E	R	-	P	I	N	U	B	E
	1	2	3	4	5	6	7	8	9	10	11	12	CP	CP	1	2	3	4	5	6	7	8	9	10	11	12	CP	CP		
12D8	H	G2	K	G1	G2	G1	K	G2	H	P					12FJ	H	K	G2	G3	G1										
12D7	H	2P	1P	1G1	1G1	1G2	1K	2G1	2K	H					12FK	H	K	G2	G3		P									
12EA	P	1C	G1	IC	G1	K	IC	IC	H	H					12FL	H	K	G1	G3	G2		P								
12ER	H	1G2	1G2	1G1	1K	IC	1P	2K	IC	IC	2P	H			12FM	H	1P	1G	1K	1S										
12EJ	H	2G1	2P	IC	2K	2G1	1K	1G1	1P	H					12FN	H	2P	2K	1P		IC	1G3	1G1	1G1	1G2	H				
12EL	F2	1C	F1	1C	IC	F2	IC	IC	F1	P					12FP	H	3K	3P	3G1	2K	2G1	2P	1G1	1G2	1P	1K	H			
12EN	2H	2P	2G1	2K	2H	1H	1P	1G1	1K	1G2	1H				12FQ	H	2P	2K	1K	1C			1S	1G	1P	2G	H			
12EO	H	2G1	2P	2K	IC	1K	1G1	1P	H					12FR	H	2P	2K	1K			1P		1G	1P	2G	H				
12ER	H	3P	3G2	3G1	3G3	2P	2G3	2K	1G1	1K	1P	H			12FS	H	1P	1K	1P		IC	2K	2G1	1C	2G2	H				
				2G2	2G3		3K							12FT	H	2P	2G1	1P		K	1G1	1G2	1G	1P	H					
				1S										12FU	H	1P	1G2	1G3	1K	1G1	2P	2G3	2G2	2K	2G1	H				
12ES	H	G1	K	G2	1C	P	IC	G2	K	G1	H			12FV	H	H	IC	H	H	H	H	H	H	H	IC	H				
12EU	H	K	P	P	K	62	K	61	G2	H				12FX	H	K	K	K	K	IS	IS									
12EW	H	K	H	IC	H	K	H	K	H	P				12FY	H	K	G2	G3	G1											
				1S	F5	IS								12GC	H	3P	2G	2K	1G	1K	1P	3K	2P	3G2	3G1	H				
12EX	H	G1	G2	K	P		G1	G2	K	H				12GD	H	K	G2	G3	G1											
12EZ	H	2K	2G1	2G3	2G2	2P	1G1	1K1	1G2	1P	H			12GF	H	1K	1G1	1G2	1P	1G3	2G1									
				1S				1G3						12GH	H		G2	G3	G1											
12FA	H	IC	IC	K	G		IC	IC	IC	H				12GK	H	IC	IC	IC	IC	K	IC	K	IC	H	P					
12FH	H	G2	K	G1	G2		G2	61	K	G2	H			12GL	H	1G1	1G2	1K	2K	2P	3K	2G	3P	3G	1P	H				
12FC	H	2P	2K	1P	IC	K	1G3	1G1	1G2	1G1	H			12GM	H	K	G2	G3	G1											
12FF	H	3P	3K	1K	2P	2K	2G	1G	1P	3G	H																			

1 2 3 4 5 6 7 8 9 10 11 12 CP CP

FIA BASE CONNECTIONS - CONTINUED

HASF NO.	1	2	3	4	5	6	7	8	9	10	11	12	CP	CP
12GN	H	2P	2K	1K				3G3	3K	3G1	3G2	3P	H	
12G0	H	1C	1C	H	1C	1C	H	K	1C	1C	H	1C	H	P
	K			K				1S						
12GS	H	1P	3G1	3K	2G1	2K	2P	1K	3P	1G2	1G1	H		
								1G3						
12GT	H	1P	1G4	K	2G4		2P	1S	63	62	61	H		
12GU	H	K1	G2	G3	G1		1C		1C	63	1C	H	P1	
	K2													P2
12GW	H	K	G2	G3	G1		1C		61	63	G2	H	P	
12GX	H	2K	2G1	2G2	2P		D1	1C	1K	1G1	1G2	1P	H	
							D2							
12GY	H	G1	G2	K	1C	1C	P	IC	1C	G2	G1	H		
12HA	H	H	1C	H	H		IC	H	IC	H	1C	H	P	
	K			K	K			K						
	1S	1S		1S	1S			1S						
12HR	H	2G3	2P	2G2	2K		2G1	1G1	1K	1G2	1P	1G3	H	1S
12HC	H	1C	1C	1C	K	G1	1C	1C	1S	1C	1C	H	P	
12HF	H	1P		1G3	2G	2K	2P	1S	1K	1G2	2G1	H		
12HF	H	1C	P	1C	1C	K	1C	1C	P			H		



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