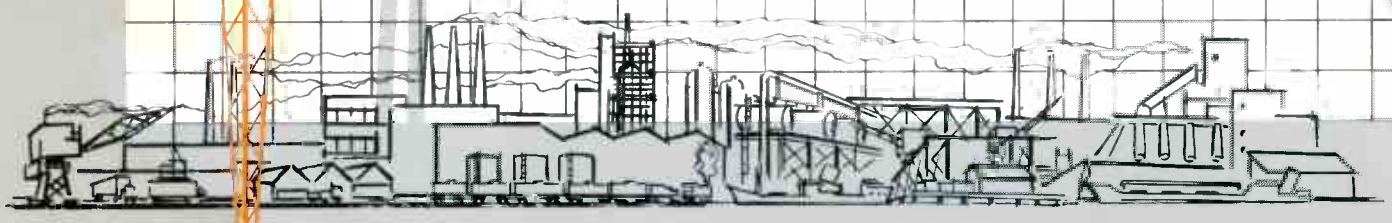
fundamental ratings and characteristics

POWER TUBES

for industry and broadcast



Progress Is Our Most Important Product

GENERAL ELECTRIC

ELECTRONIC COMPONENTS DIVISION

POWER TUBES for industry and broadcast

fundamental ratings and characteristics

INDEX

CATHODE-RAY TUBES

1

For Measurement, Indicating, And Monitoring Use In Radar, Oscilloscope, And Other Industrial And Military Service

Type No.	Screen Diam, Min Inches	Heater		Screen Fluorescence	Focus	Deflection	High-Voltage Electrode, Max Volts	Warranty
		Volts	Amp					
2AP1-A	1 ¾	6.3	0.6	Green	Electrostatic	Electrostatic	1000	C-1000
2BP1	1 ¾	6.3	0.6	Green	Electrostatic	Electrostatic	2500	C-1000
3ACP1-A	2.68	6.3	0.6	Green	Electrostatic	Electrostatic	2000	C-1000
3AP1-A	2 ¾	6.3	0.6	Green	Electrostatic	Electrostatic	1500	C-1000
3BP1-A	2 ¾	6.3	0.6	Green	Electrostatic	Electrostatic	2000	C-1000
3KP1	2 ¾	6.3	0.6	Green	Electrostatic	Electrostatic	2500	C-1000
3MP1	2 ¾	6.3	0.6	Green	Electrostatic	Electrostatic	2500	C-1000
3UP1	1 ¾ x 1 ⅛ *	6.3	0.6	Green	Electrostatic	Electrostatic	2500	C-1000
5AHP4	4 ¼	6.3	0.6	White	Electrostatic	Magnetic	10,000	C-1000
5AHP4-A†	4 ¼	6.3	0.6	White	Electrostatic	Magnetic	10,000	C-1000
5AHP7	4 ¼	6.3	0.6	Blue-White	Electrostatic	Magnetic	10,000	C-1000
5AHP7-A†	4 ¼	6.3	0.6	Blue-White	Electrostatic	Magnetic	10,000	C-1000
5AHP14	4 ¼	6.3	0.6	Purple	Electrostatic	Magnetic	10,000	C-1000
5AHP14-A†	4 ¼	6.3	0.6	Purple	Electrostatic	Magnetic	10,000	C-1000
5AHP19	4 ¼	6.3	0.6	Orange	Electrostatic	Magnetic	10,000	C-1000
5AHP19-A†	4 ¼	6.3	0.6	Orange	Electrostatic	Magnetic	10,000	C-1000
5AUP24†	4 ¼	6.3	0.6	Green	Electrostatic	Magnetic	27,000	C-1000
5BP1-A	4 ½	6.3	0.6	Green	Electrostatic	Electrostatic	2000	C-1000
5CP1-A	4 ½	6.3	0.6	Green	Electrostatic	Electrostatic	2000	C-1000
5CP7-A	4 ½	6.3	0.6	Blue-White	Electrostatic	Electrostatic	2000	C-1000
5FP7-A	4 ¼	6.3	0.6	Blue-White	Magnetic	Magnetic	8000	C-1000
5FP14	4 ¼	6.3	0.6	Purple	Magnetic	Magnetic	8000	C-1000
5FP14-A	4 ¼	6.3	0.6	Purple	Magnetic	Magnetic	8000	C-1000
5FP25	4 ¼	6.3	0.6	Orange	Magnetic	Magnetic	12,000	C-1000
5QP4-A†	4 ¼	6.3	0.6	White	Magnetic	Magnetic	12,000	C-1000
5UP1	4 ½	6.3	0.6	Green	Electrostatic	Electrostatic	2500	C-1000
5UP7	4 ½	6.3	0.6	Blue	Electrostatic	Electrostatic	2500	C-1000
7ABP4†	6	6.3	0.6	White	Electrostatic	Magnetic	10,000	C-1000
7ABP7-A†	6	6.3	0.6	Blue-White	Electrostatic	Magnetic	10,000	C-1000
7ABP14-A†	6	6.3	0.6	Purple	Electrostatic	Magnetic	10,000	C-1000
7ABP19-A†	6	6.3	0.6	Orange	Electrostatic	Magnetic	10,000	C-1000
7BP7-A	6	6.3	0.6	Blue-White	Magnetic	Magnetic	8000	C-1000
7CP7	6 ½	6.3	0.6	Blue-White	Electrostatic	Magnetic	8000	C-1000
7RP4†	6	6.3	0.6	White	Magnetic	Magnetic	12,000	C-1000
7UP7†	6	6.3	0.6	Blue-White	Magnetic	Magnetic	10,000	C-1000
7UP25†	6	6.3	0.6	Orange	Magnetic	Magnetic	12,000	C-1000
7VP1	6	6.3	0.6	Green	Electrostatic	Electrostatic	4000	C-1000
10KP7	9	6.3	0.6	Blue-White	Magnetic	Magnetic	10,000	C-1000
10KP25†	9	6.3	0.6	Orange	Magnetic	Magnetic	12,000	C-1000
10SP4†	9 ⅛	6.3	0.6	White	Electrostatic	Magnetic	14,000	C-1000
10UP14	9	6.3	0.6	Purple	Electrostatic	Magnetic	12,000	C-1000
10UP14-A†	9	6.3	0.6	Purple	Electrostatic	Magnetic	12,000	C-1000
12ABP7-A†	11	6.3	0.6	Blue-White	Electrostatic	Magnetic	12,000	C-1000
12DP7-A	10	6.3	0.6	Blue-White	Magnetic	Magnetic	10,000	C-1000
12DP7-C†	10	6.3	0.6	Blue-White	Magnetic	Magnetic	12,000	C-1000
12SP7	10	6.3	0.6	Blue-White	Magnetic	Magnetic	10,000	C-1000
12SP7-B†	10	6.3	0.6	Blue-White	Magnetic	Magnetic	10,000	C-1000
12SP7-D†	11	6.3	0.6	Blue-White	Magnetic	Magnetic	13,700	C-1000
17ADP7†	14 ¼ x 10 ¾ *	6.3	0.6	Blue-White	Magnetic	Magnetic	16,000	C-1000

* **Rectangular Screen** † **Aluminized Screen**

2 FIVE-STAR TUBES

High-Reliability Types For Critical Industrial And Military Service

RATINGS ARE ABSOLUTE-MAXIMUM VALUES UNLESS OTHERWISE INDICATED

Type No.	Analogous ‡	Classification	CATHODE		Max Plate, Volts	Max Screen, Volts	Max Plate, Watts	Max Screen, Watts
			Volts	Amp				
5636	None	Pentode	6.3	0.15	165	155	0.55	0.45
5654	6AK5	RF Pentode	6.3	0.175	200	155	1.65	0.55
5670	2C51*	Twin Triode	6.3	0.35	330	—	1.35	—
5686	None	Beam Power	6.3	0.35	275	275	8.25	3.3
5718	None	Triode	6.3	0.15	165	—	0.9	—
5719	None	Triode	6.3	0.15	165	—	0.3	—
5725	6AS6	Pentode	6.3	0.175	200	155	1.65	0.55
5726	6AL5	Twin Diode	6.3	0.30	Voltage Drop: 10V at 60 ma d-c	—	—	—
5727	2D21	Thyratron	6.3	0.6	Anode Voltage Drop = 8 Volts	—	—	—
5749	6BA6	RF Pentode	6.3	0.3	330	150	3.3	0.7
5750	6BE6	Heptode	6.3	0.3	330	110	1.1	1.1
5751	12AX7*§	Twin Triode	6.3	0.35	330	—	0.8	—
			12.6	0.175				
5814-A	12AU7*	Twin Triode	6.3	0.35	330	—	3.0	—
			12.6	0.175				
5840	None	RF Pentode	6.3	0.15	165	155	0.8	0.35
5896	None	Twin Diode	6.3	0.3	Voltage Drop: 4.5V at 18 ma d-c	—	—	—
5899	None	RF Pentode	6.3	0.15	165	155	0.75	0.35
5902	None	Beam Power	6.3	0.45	165	155	3.7	0.4
6005	6AQ5	Beam Power	6.3	0.45	275	275	11.0	2.2
6021	None	Twin Triode	6.3	0.3	165	—	0.7	—
6072	12AY7*	Twin Triode	6.3	0.35	330	—	1.65	—
			12.6	0.175				
6087	5Y3-GT φ	Rectifier	5.0	2.0	Voltage Drop: 50V at 125 ma d-c	—	0.95	—
6111	None	Twin Triode	6.3	0.3	165	—	0.95	—
6112	None	Twin Triode	6.3	0.3	165	—	0.3	—
6134	6AC7	RF Pentode	6.3	0.45	330	165	3.3	0.45
6135	6C4	Triode	6.3	0.175	330	—	3.8	—
6136	6AU6	RF Pentode	6.3	0.3	330	165	3.3	0.7
6137	6SK7	RF Pentode	6.3	0.3	330	140	3.3	0. 44
6201	12AT7	Twin Triode	6.3	0.3	330	—	2.8	—
			12.6	0.15				
6202	6X4 ♥	Rectifier	6.3	0.6	Voltage Drop: 22V at 50 ma d-c	—	—	—
6203	None	Rectifier	6.3	0.9	Voltage Drop: 22V at 70 ma d-c	—	—	—
6205	None	RF Pentode	6.3	0.15	165	155	0.8	0.35
6265	6BH6	RF Pentode	6.3	0.175	300▲	150▲	2.0▲	0.5▲
6386	5670 ⊙	Twin Triode	6.3	0.35	300▲	—	1.5▲	—
6414	None	Twin Triode	6.3	0.45	200♣	—	2.0♣	—
			12.6	0.225				
6829	5965	Twin Triode	6.3	0.45	275♣	—	2.2♣	—
			12.6	0.225				

Ratings and characteristics of all twin-section types are given for each section.

‡ Analysis of the electrical characteristics of the Five-Star type will indicate that it is essentially similar to the type listed in this column, except as noted.

* Heater current approximately 17% higher.

§ Lower mu.

φ Unipotential cathode and lower tube drop.

♥ Reduced peak and output current ratings.

⊙ Remote cut-off characteristic.

\# Zero Signal.

▲ Design center ratings.

♣ Design maximum ratings.

AVERAGE CHARACTERISTICS									
Plate, Volts	Screen, Volts	Grid, Volts	Plate, Milli-amperes	Screen, Milli-amperes	Gm, μmhos	μ Factar	Load for Rated Output, Ohms	Power Output, Watts	Warranty
100	100	R_k = 150	5.3	3.6	3200	—	G_3 tied to k	—	W-1
120	120	R_k = 200	7.5	2.5	5000	—	—	—	W-1
150	—	R_k = 240	8.2	—	5500	35	—	—	W-1
250	250	−12.5	27#	3.0#	3100	—	9000	2.7	W-1
100	—	R_k = 150	8.5	—	5800	27	—	—	W-1
100	—	R_k = 1500	0.73	—	1700	70	—	—	W-1
120	120	−2.0	5.2	3.5	3200	E_{c3} = 0 Volts	—	—	W-1
Max d-c output current per plate = 10 ma; max peak inverse voltage = 360 volts.					—	—	—	—	W-1
Max d-c cathode current = 100 ma; max peak inverse voltage = 1300 volts.					—	—	—	—	W-1
250	100	R_k = 68	11.0	4.2	4400	—	—	—	W-1
250	100	I_{g1} = 0.5 ma	2.5	7.6	G_c = 500	R_{g1} = 20k	E_{c3} = 0 volts	—	W-1
250	—	−3.0	1.0	—	1200	70	—	—	W-1
250	—	−8.5	10.5	—	2200	17	—	—	W-1
100	100	R_k = 150	7.5	2.4	5000	—	—	—	W-1
Max d-c output current per plate = 10 ma; max peak inverse voltage = 460 volts.					—	—	—	—	W-1
100	100	R_k = 120	7.2	2.0	4500	—	—	—	W-1
110	110	R_k = 270	30#	2.2#	4200	—	3000	1.0	W-1
250	250	−12.5	45#	4.5#	4100	—	5000	4.5	W-1
100	—	R_k = 150	6.5	—	5400	35	—	—	W-1
250	—	−4.0	3.0	—	1750	44	—	—	W-1
Max d-c output current▲ = 125 ma; max peak inverse voltage▲ = 1400 volts.					—	—	—	—	W-1
100	—	R_k = 220	8.5	—	5000	20	—	—	W-1
100	—	R_k = 1500	0.8	—	1800	70	—	—	W-1
300	150	R_k = 160	9.5	2.5	9000	—	—	—	W-1
250	—	−8.5	10.5	—	2200	17	—	—	W-1
250	150	R_k = 68	10.6	4.3	5200	—	—	—	W-1
250	100	−3.0	9.2	2.6	2000	—	—	—	W-1
250	—	R_k = 200	10.0	—	5500	60	—	—	W-1
Max d-c output current = 55 ma; max peak inverse voltage = 1375 volts.					—	—	—	—	W-1
Max d-c output current = 77 ma; max peak inverse voltage = 1375 volts.					—	—	—	—	W-1
100	100	R_k = 150	7.5	2.4	5000	—	—	—	W-1
250	150	R_k = 100	7.4	2.9	4600	—	—	—	W-1
100	—	R_k = 200	9.6	—	4000	17	—	—	W-1
180	—	−2.0	8.0	—	5550	42.5	—	—	W-1
150	—	R_k = 220	8.5	—	6700	47	—	—	W-1

IGNITRONS

3

High-Peak-Current, Pool-Cathode Tubes For Welding-Control and Power-Rectifier Service

WELDING-CONTROL TYPES*

Available in versions with bracket for convenient addition of thermostats for water-flow or temperature-control; or with an integral thermostatic control arrangement; and plastic-coated for outer-jacket voltage protection. Remanufactured types also available.			Size	Supply Volts Rms	MAXIMUM RATINGS				Type of Cooling	Warranty
Bracket Version† (for demountable thermostats)	Thermostatic Control Arrangement	Plastic-Coated Version Available			Kva Demand	Corresponding Average Anode Current, Amp	Maximum Average Anode Current, Amp	Corresponding Kva Demand		
GL-5550/GL-415 (non-bracket type)	—	—	A	250-600	300	12.1	22.4	100	Water	H-12
GL-5551-A	GL-6346	Yes, both types	B	250-600	600	30.2	56	200	Water	H-12
GL-5552-A	GL-6347	Yes, both types	C	250-600	1200	75.6	140	400	Water	H-12
GL-5553-B	GL-6348	Yes, both types	D	250-600	2400	192	355	800	Water	H-12
GL-5822-A	GL-6511	Yes, both types	C	220-600	424	20	70	188	Water	H-12
GL-6346	GL-5551-A, with integral thermostatic control arrangement. Same ratings apply.									
GL-6347	GL-5552-A, with integral thermostatic control arrangement. Same ratings apply.									
GL-6348	GL-5553-B, with integral thermostatic control arrangement. Same ratings apply.									
GL-6511	GL-5822-A, with integral thermostatic control arrangement. Same ratings apply.									
Remanufactured Types										
GL-5551/FG-271 } GL-5551-A	—	Yes	B	250-600	600	30.2	56	200	Water	H-12
GL-5552/FG-235-A } GL-5552-A	—	Yes	C	250-600	1200	75.6	140	400	Water	H-12
GL-5553-A } GL-5553-B	—	Yes	D	250-600	2400	192	355	800	Water	H-12

* **Ratings are for voltages of 600 volts rms and below.**

† **Water-control and over-temperature thermostats for bracket-type ignitrons.**

Water Control	Over-Temperature Protection
N-15272AA (Flexible Lead)	**N-15273AA (Flexible Lead)**
N-15286AA (Terminal Block)	**N-15287AA (Terminal Block)**

POWER-RECTIFIER TYPES

Type No.*	Thermostatic Control Arrangement	MAXIMUM RATINGS				Type of Cooling	Warranty
		Peak Inverse and Forward Voltage	Peak Amp	Continuous Average, Amp	Average Amp, 1 Minute		
GL-5554/FG-259-B	GL-6512	900 2100	900 600	100 75	200 150	Water	H-24
GL-5555/FG-238-B	GL-6513	900 2100	1800 1200	200 150	400 300	Water	H-24
GL-5564/GL-507	GL-6515	900 2100	3600 2400	400 300	800 600	Water	H-24
GL-5630	—	20,000	200	50	50	Water	H-36
GL-5779	—	350	30	10	—	Air	H-12
GL-5788	GL-6514	900 2100	1800 1200	200 150	400 300	Water	H-24
GL-6228/506	—	20,000	900	150	300	Water	H-36
GL-6504	—	4000 (Peak Inverse) 100 (Forward)	2000	350	720—4 Minutes	Water	H-24
GL-6509	—	900 2100	1800 1200	200 150	400 300	Water	H-24
GL-6512	GL-5554/FG-259-B, with integral thermostatic control arrangement. Same ratings apply.						
GL-6513	GL-5555/FG-238-B, with integral thermostatic control arrangement. Same ratings apply.						
GL-6514	GL-5788, with integral thermostatic control arrangement. Same ratings apply.						
GL-6515	GL-5564/GL-507, with integral thermostatic control arrangement. Same ratings apply.						
GL-6878	—	4000 (Peak Inverse) 100 (Forward)	2500	675	875—4 Minutes	Water	H-24

* **Typical ignitor requirements for power-rectifiers are 75-125 volts, 15-20 amperes. Maximum requirements are 150 volts.**

THYRATRONS

4

Grid-Controlled, Mercury, And Gaseous-Discharge Rectifier Tubes For All Classes Of Control Service

Type No.	No. of Electrodes	Cathode		Anode			Control Characteristics		Temp Range Condensed Mercury C	Warranty
		Volts	Amp	Peak Inverse, Volts	Peak, Amp	Avg, Amp	Grid Voltage at Anode Voltage of 100 V	Grid Voltage at Anode Voltage of 1000 V		
GL-C1J	3	2.5	6.3	700	8.0	1.0	—	—	−55–+70*	H-12 (3000)
GL-2D21	4	6.3	0.6	1300	0.5	0.1	−1.8	−4.2 @ 450 V	−75–+90*	G-1
GL-3C23	3	2.5	7.0	1250	6.0	1.5	−2.5	−5.5	−40–+80	H-12
GL-5C21/C6J	3	2.5	21.0	1250	77.0	6.4	—	—	−55–+75	H-12 (3000)
GL-C6M	3	2.5	21.0	1250	77.0	6.4	—	—	−60–+75	—
FG-27-A	3	5.0	4.5	1000	10.0	2.5	−2.25	8.0	+40–+80	H-12
FG-81-A	3	2.5	5.0	500	2.0	0.5	−3.0	−5.25 @ 500 V	−20–+50*	H-12 (3000)
FG-97	4	2.5	5.0	1000	2.0	0.5	+0.5	−13.0	+40–+80	H-12
FG-98-A	4	2.5	5.0	500	2.0	0.5	−5.0	−11 @ 500 V	−20–+50*	H-12 (3000)
FG-105	4	5.0	10.0	2500	40.0	6.4	+1.0	−9.0	+40–+80	H-12
		‡5.5	11.0	750	77.0	2.5	+1.0	−9.0	+30–+95	
		‡5.0	10.0	10,000	16.0	4.0	+1.0	−9.0	+25–+50	
FG-154	4	5.0	7.0	500	10.0	2.5	−4.0	−9.0 @ 500 V	−20–+50*	H-12 (3000)
FG-172	4	5.0	10.0	2000	40.0	6.4	+1.0	−9.0	−40–+80	H-12
		‡5.5	11.0	750	77.0	2.5	+1.0	−9.0	+30–+95	
GL-393-A	3	2.5	7.0	1250	6.0	1.5	−2.5	−4.5 @ 500 V	−40–+80	H-12
GL-414	4	5. 0	19.0	2000	100.0	12.5	0	−10.0	+40–+80	H-12
GL-502-A	4	6.3	0.6	1300	1.0	0.1	−1.0	−3.5 @ 650 V	−55–+90*	G-1
GL-627	3	2.5	6.0	2500	2.5	0.64	−1.0	−6.0	+25–+70	H-12
GL-672-A	4	5.0	5.0	2500	40.0	3.2	0	−10.0	+40–+80	H-12
GL-678	3	5.0	7.5	15,000	6.0	1.6	0	−15.0	+25–+50	H-12
GL-884	3	6.3	0.6	350	0.3	0.075	−10.0	−25.0 @ 250 V	−75–+90*	G-1
GL-885	3	2.5	1.5	350	0.3	0.075	−10.0	−25.0 @ 250 V	−75–+90*	G-1
GL-2050	4	6.3	0.6	1300	1.0	0.1	−1.5	−3.0 @ 650 V	−75–+90*	G-1
GL-5528/C6L	3	2.5	21.0	500	77.0	6.4	−0.5	−2.0 @ 350 V	−50–+70*	—
GL-5544	3	2.5	12.0	1500	40.0	3.2	0	−7.0	−55–+70*	H-12 (3000)
GL-5557/FG-17	3	2.5	5.0	5000	2.0	0.5	−2.0	−7.0	+40–+80	H-12
GL-5559/FG-57	3	5.0	4.5	1000	15.0	2.5	−1.75	−6.5	+40–+80	H-12
GL-5560/FG-95	4	5.0	4.5	1000	15.0	2.5	+1.0	−9.0	+40–+80	H-12
		†5.5	4.5	1000	30.0	0.5	+1.0	−9.0	+40–+80	
GL-5632/C3J	3	2.5	9.0	1250	30.0	2.5	−1.0	−4.5 @ 750 V	−55–+70*	H-12 (3000)
GL-5662	3	6.3	0.15	200	Fuse Tube	—	−3.5	−5.0 @ 160 V	−55–+90*	G-1
GL-5663	4	6.3	0.15	500	0.06	0.02	−1.5	−2.5 @ 500 V	−55–+90*	G-1
GL-5665/C16J	3	2.5	31.0	1250	160.0	16.0	−0.5	−2.2 @ 500 V	−55–+75*	H-12 (3000)
5696	4	6.3	0.15	500	0.1	0.025	−1.5	−3.3 @ 500 V	−55–+90*	W-1
GL-5720/FG-33	3	5.0	4.5	1000	15.0	2.5	+9.5	+9.5	+35–+80	H-12
5727	4	6.3	0.6	1300	0.5	0.1	−1.0	−3.5 @ 450 V	−75–+90*	W-1
GL-5728/FG-67	3	5.0	4.5	1000	15.0	2.5	+4.0	0	+40–+80	H-12
GL-5830/FG-41	3	5.0	20.0	10,000	75.0	12.5	+8.0	+2.0	+40–+65	C-1000
GL-5855	3	2.5	34.0	1500	160.0	18.0	+8.0	−9.0	−55–+70*	H-12 (3000)
GL-5948	3	6.3	30.0	25,000	1000.0	1.0	—	—	−50–+75*	—
GL-6011/710	3	2.5	9.0	1250	30.0	2.5	0	−6.0	−40–+80	H-12 (3000)
GL-6014/C1K	3	2.5	6.3	1250	8.0	1.0	0	−2.0 @ 500 V	−55–+75*	H-12 (3000)
GL-6044	3	2.5	17.0	500	77.0	6.4	−0.5	−2.5 @ 500 V	−55–+85*	H-12 (3000)
6525	4	6.3	0.15	500	0.06	0.02	—	−2.5 @ 105 V	−55–+90*	W-1
GL-6807	3	2.5	21.0	1500	80.0	6.4	0	−7.0	−55–+70*	H-12 (3000)
GL-6808	3	2.5	21.0	1500	80.0	6.4	0	−7.0	−55–+70*	H-24 (8000)
GL-6809	3	2.5	21.0	1500	80.0	6.4	0	−7.0	−55–+70*	H-24 (8000)
GL-6855/716	3	2.5	6.3	1250	8.0	1.0	−1.5	−3.5 @ 500 V	−40–+80	H-12 (3000)
GL-6856/740	3	2.5	16.0	1500	50.0	2.5	−1.0	−3.0 @ 500 V	−40–+80	H-12 (3000)
GL-6857/740-P	3	2.5	16.0	1500	50.0	2.5	−1.0	−3.0 @ 500 V	−40–+80	H-12 (3000)
GL-6858/760	3	2.5	21.0	1500	77.0	6.4	−2.8 @ 200 V	−4.0 @ 500 V	−40–+80	H-12 (3000)
GL-6859/760-P	3	2.5	21.0	1500	77.0	6.4	−2.8 @ 200 V	−4.0 @ 500 V	−40–+80	H-12 (3000)
GL-6860/C6J/F	3	2.5	21.0	1250	77.0	6.4	−0.5	−2.4 @ 500 V	−55–+75*	H-12 (3000)

*Temperature ratings are expressed in terms of the ambient temperature range over which the tubes will operate.
†These ratings apply only when the tube is used for ignitor firing.
‡These ratings apply only when the tube is used in thyratron welding-control service.

RECTIFIERS

5

High-Vacuum, Gaseous And Mercury-Vapor Tubes For High–Voltage Rectifier Service

GASEOUS OR MERCURY-VAPOR TYPES

Type No.	No. of Electrodes	Cathode		Anode			Temp Range Condensed Mercury C	Warranty
		Volts	Amp	Peak Inverse, Volts	Peak Amp	Avg, Amp		
GL-4B32	2	5.0	7.5	10,000	5.0	1.25	−55–+70*	C-500
GL-266-B	2	5.0	30.0	22,000	40.0	10.0	+30–+40	C-1000
FG-280	2	5.0	10.0	2000	40.0	6.4	+40–+80	H-12
GL-575-A	2	5.0	10.0	15,000	6.0	1.5	+20–+50	C-1000
GL-673	2	5.0	10.0	15,000	6.0	1.5	+20–+50	C-1000
GL-816	2	2.5	2.0	7500	0.5	0.125	+20–+60	G-1
GL-857-B	2	5.0	30.0	22,000	40.0	10.0	+30–+40	C-1000
GL-866-A	2	2.5	5.0	10,000	1.0	0.25	+20–+60	G-1
GL-869-B	2	5.0	19.0	20,000	10.0	2.5	+30–+40	C-1000
GL-870-A	2	5.0	65.0	16,000	45.0	75.0	+35–+40	C-1000
GL-872-A	2	5.0	7.5	10,000	5.0	1.25	+20–+60	C-1000
GL-5558/FG-32	2	5.0	4.5	5000	15.0	2.5	+30–+60	H-12
GL-5561/FG-104	2	5.0	10.0	3000	40.0	6.4	+40–+80	H-12
GL-6930/635-P	2	2.5	18.0	1000	77.0	6.4	+35–+100	H-12
GL-8008	2	5.0	7.5	10,000	5.0	1.25	+20–+60	C-1000

*Gas-filled tube. Temperature ratings expressed in terms of ambient temperature range over which the tube will operate.

HIGH-VACUUM TYPES

Type No.	No. of Electrodes	Cathode		Plate			Voltage Drop, Volts	Average Dissipation, Watts	Warranty
		Volts	Amp	Max Inv, Volts	Max, Amp	Average, Amp			
KC-1	2	9.0	32.0	100,000	1.0	—	—	—	C-1000
GL-2B22	2	6.3	0.75	100	0.7	—	0.02	—	C-1000
GL-2B23	2	6.3	0.3	150	0.03	—	—	—	C-1000
2X2-A	2	2.5	1.75	12,500	0.1	—	—	—	W-1
KC-3	2	12.5	32.0	150,000	1.0	—	—	—	C-1000
GL-3B24	2	2.5	3.0	20,000	0.15	0.03	—	—	C-1000
		5.0	3.0	20,000	0.3	0.06	—	—	
5R4-GYA	3	5.0	2.0	2800	0.65†	—	—	—	W-1
FP-400	2	4.0	2.25	125	0.025	—	—	—	C-1000
GL-411	2	10.0	14.5	100,000	0.3	—	—	500	C-1000
GL-836	2	2.5	5.0	5000	1.0	0.25	45.0	—	G-1
GL-1616	2	2.5	5.0	5500	0.8	0.13	75.0	—	G-1
GL-5625/KC-4	2	20.0	24.5	150,000	1.0	—	4000	750	C-1000
GL-5973	2	16.0	19.1	75,000	5.0	—	—	850	C-1000
GL-8013-A	2	2.5	5.0	40,000	0.15	0.02	—	120	C-1000
GL-8020	2	5.0	6.0	40,000	0.75	0.1	200	—	C-1000
		5.8△	—	12,500△	2.0△	—	—	75△	

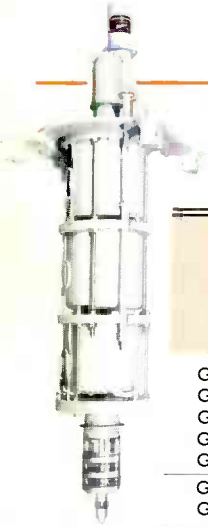
†Per section. △Surge-limiting diode operation.

PHASITRONS

6

Phase-Modulators

Type No.	Cathode		Anode, Volts	Deflector, Volts	RF Output, Volts	Frequency For Max Ratings, Kc	Warranty
	Volts	Amp					
GL-2H21	6.3	0.3	300	100	4	500	C-1000
GL-5593	6.3	0.3	300	100	4	250	C-1000

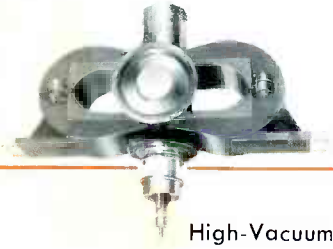


KLYSTRONS

7

High-Vacuum, Velocity-Modulated Electron-Beam Tubes For Use As UHF Amplifiers

Type No.	Cathode		Frequency Range, Megacycles	Max Beam Voltage, Kilovolts	Max Beam Current, Amperes	Driving Power		Power Output		Warranty
	Volts	Amp				Sync Level, Watts	Pedestal Level, Watts	Sync Level, Kilowatts	Pedestal Level, Kilowatts	
GL-6237	5.5	35	470–530	18	3	25	12	12	6.75	—
GL-6238	5.5	35	530–584	18	3	25	12	12	6.75	—
GL-6239	5.5	35	584–656	18	3	25	12	12	6.75	—
GL-6240	5.5	35	656–722	18	3	25	12	12	6.75	—
GL-6241	5.5	35	722–806	18	3	25	12	12	6.75	—
GL-6242	5.5	35	806–890	18	3	25	12	12	6.75	—
GL-6625	5.0	45	960–1215	20	9.35	Peak RF Output 22 Kilowatts				—



MAGNETRONS

8

High-Vacuum, Magnetically Controlled Tubes For Radar And High-Frequency Heating Service

FIXED-TUNED

Type No.	Classification	Frequency, Megacycles	Power Output, Kilowatts	Anode		Cooling	Warranty
				Volts	Amp		
GL-6410	Pulse Oscillator Integral Magnet	2750–2860	4500 Peak	71,000	130	Water	—
GL-6787	Continuous Wave External Magnet	890–940	2.5 Average	3700	1.10	Water and Forced-Air	H-12

GAS-DISCHARGE DEVICES

9

For Use In Polarization Or Branching-Type Duplexers In Radar Systems

Type No.	Frequency, Megacycles	Transmitter Peak Power, Megawatts	Min Peak Firing Power, Kilowatts	Max Recovery Time, Microseconds	Warranty
GL-6619	2700–2900	2.5	250	25	C-500
GL-6620	3400–3600	1.5	250	40	C-500
GL-6621	2700–2900	5.0	250	50	C-500

TRANSMITTING TUBES

10

Grid-Controlled, High-Vacuum Tubes For Use As Modulators, Amplifiers, Oscillators In Radio-Broadcast And Industrial-Heating Service

Type No.	No. of Electrodes	Cathode		Plate				Max Freq Mc		Mu	Gm	Warranty
		Volts	Amp	Max Volts	Max Amp	Max Input, Watts	Max Dissipation, Watts	@ Max Plate Input	@50% Max Plate Input			
GL-2C39-B	3	6.3	1.0	1000	0.125	100	100	2500	—	100	22,000	C-500
GL-2C40	3	6.3	0.75	500	0.025	4.0	6.5	3370	—	36	4850	C-1000
GL-2C40-A	3	6.3	0.75	1400	2.0	—	4.0	3370	—	35	5100	C-500
GL-2C42*	3	6.3	0.9	3000	—	—	12	1300	—	48	8000	—
GL-2C43	3	6.3	0.9	500	0.040	16.7	12	3370	—	48	8000	C-1000
GL-2C46*	3	6.3	0.75	500	0.040	—	12	1300	—	60	3500	—
GL-2E24	5	6.3	0.65	600	0.085	40	13.5	125	175 @ 68%	7.5	3200	G-1
GL-2E26	5	6.3	0.80	500	0.075	30	10	125	—	6.5	3500	G-1
				600	**0.075**	**40**	**13.5**					
GL-2E30	5	6.0	0.65	250	0.060	15	10	165	—	—	—	G-1
⊙GL-3X2500A3	3	7.5	51.0	6000	2.5	12,500	2500	75	—	20	20,000	C-1000
⊙GL-4-250A/5D22	4	5.0	14.5	4000	0.350	—	250	75	120 @ 62%	5.1	4000	C-1000
GL-4-1000A	4	7.5	21.0	5000	0.700	6100	1000	110	—	7.2	10,000	C-1000
GL-4D21/4-125A	4	5.0	6.5	3000	0.225	500	125	120	250 @ 56%	6.2	2450	C-1000
⊙GL-4X150A	4	6.0	2.6	1250	0.250	—	150	500	—	5.0	12,000	C-1000
GL-5C24	3	10.0	5.2	1500	0.107	250	160	—	—	8.0	5500	C-1000
⊙GL-7C29	3	10.5	28.0	3000	0.400	—	—	110	—	29.0	—	C-1000
⊙GL-7D21	4	6.3	30.0	4000	1.0	3000	1200	110	—	8.0	—	C-1000
GL-8D21	6	3.2	125.0	6000	2.0	10,000	6000	300	—	5.0	—	C-1000
GL-100TH	3	5.0	6.3	3000	0.225	675	100	—	—	40	5500	C-1000
◈GL-207	3	22.0	51.0	15,000	2.0	30,000	10,000	1.5	20	20	—	C-1000
GL-242-C	3	10.0	3.25	1250	0.150	188	100	6.0	30	12.5	—	C-1000
FP-265	3	10.0	5.20	1500	0.200	350	160	—	—	75	—	C-1000
GL-592	3	10.0	5.0	3500	0.250	600	200	110	—	24	2100	C-1000
GL-801-A	3	7.5	1.25	600	0.070	42	20	60	120	8.0	—	G-1
GL-802	5	6.3	0.90	500	0.060	25	10	30	100 @ 55%	—	2250	G-1
				600	**0.060**	**33**	**13**					
GL-803	5	10.0	5.0	2000	0.175	350	125	20	70	—	4000	C-1000
GL-805	3	10.0	3.25	1500	0.210	315	125	30	80	—	—	C-1000
GL-807	5	6.3	0.90	600	0.100	60	25	60	125 @ 55%	8.0	6000	G-1
				750	**0.100**	**75**	**30**					
GL-809	3	6.3	2.50	750	0.100	75	25	60	120	50	—	G-1
				1000	**0.100**	**100**	**30**					
GL-810	3	10.0	4.50	2000	0.250	500	125	30	100	36	—	C-1000
				2250	**0.275**	**620**	**150**					
GL-811-A	3	6.3	4.0	1250	0.175	175	45	30	100	160	—	G-1
				1500	**0.175**	**260**	**65**					
GL-812-A	3	6.3	4.0	1250	0.175	175	45	30	100 @ 55%	29	—	G-1
				1500	**0.175**	**260**	**65**					
GL-813	5	10.0	5.0	2000	0.180	360	100	30	120 @ 50%	8.5	3750	C-1000
				2250	**0.225**	**500**	**125**					
GL-814	5	10.0	3.25	1250	0.150	180	50	30	75 @ 64%	—	3300	C-1000
				1500	**0.150**	**225**	**65**					
GL-815	5	6.3	1.6	400	0.150	60	20	125	200 @ 70%	6.5	4000	G-1
				500	**0.150**	**75**	**25**					
GL-828	5	10.0	3.25	1250	0.160	200	70	30	75 @ 65%	—	2700	C-1000
				1500	**0.180**	**270**	**80**					
GL-829-B	5	6.3	2.25	750	0.240	120	40	200	250 @ 89%	9.0	8500	C-1000
GL-832-A	5	6.3	1.6	750	0.090	36	15	200	250 @ 89%	7.0	3500	C-1000
⊙GL-833-A	3	10.0	10.0	4000	0.500	1800	400	30	75 @ 72%	35	—	C-1000
				4000	**0.500**	**2000**	**450**					

TRANSMITTING TUBES (Cont'd)

Type No.	No. of Electrodes	Cathode		Plate				Max Freq Mc		Mu	Gm	Warranty
		Volts	Amp	Max Volts	Max Amp	Max Input, Watts	Max Dissipation, Watts	@ Max Plate Input	@50% Max Plate Input			
GL-837	5	12.6	0.70	500	0.080	32	12	20	60 @ 62%	—	3400	G-1
GL-838	3	10.0	3.25	1250	0.175	220	100	30	120		—	C-1000
GL-845	3	10.0	3.25	1250	0.175	—	75	—	—	5	—	C-1000
GL-851	3	11.0	15.50	2500	1.0	2500	750	3	15	20.5	—	C-1000
◈ GL-862-A	3	33.0	207.0	20,000	10.0	200,000	100,000	1.6	—	45	—	C-1000
◈ GL-880	3	12.6	320.0	15,000	4.5	67,500	20,000	25	100	20	—	C-1000
◈ GL-889-A	3	11.0	120.0	8500	2.0	16,000	5000	50	150	21	—	C-1000
⊙ GL-889R-A	3	11.0	120.0	8500	2.0	16,000	5000	40	100	21	—	C-1000
◈ GL-891	3	11.0‡	60.0	12,000	2.0	18,000	6000	1.6	20	8	—	C-1000
⊙ GL-891-R	3	11.0‡	60.0	10,000	2.0	15,000	4000	1.6	20	8	—	C-1000
◈ GL-892	3	11.0‡	60.0	15,000	2.0	30,000	10,000	1.6	20	50	—	C-1000
⊙ GL-892-R	3	11.0‡	60.0	12,500	2.0	18,000	4000	1.6	20	50	—	C-1000
◈ GL-893-A	3	10.0§	61.0§	20,000	4.0	70,000	20,000	5	40	34.5	—	C-1000
⊙ GL-893A-R	3	10.0§	61.0§	20,000	4.0	70,000	20,000	5	25	34.5	—	C-1000
◈ GL-895	3	19.0	138.0	17,000	9.0	140,000	40,000	6	25 @ 70%	37	—	C-1000
◈ GL-898-A	3	16.5††	70.0††	20,000	10.0	200,000	100,000	1.6	—	45	17,500	C-1000
⊙ GL-1000T	3	7.5	17.0	7500	0.750	—	1000	50	—	35	9050	C-1000
GL-1613	5	6.3	0.70	350	0.050	17.5	10	45	90 @ 85%	—	2500	G-1
GL-1614	5	6.3	0.90	375	0.110	35	21	80	120 @ 75%	—	6050	G-1
GL-1619	5	2.5	2.0	400	0.075	30	15	45	96 @ 77%	—	4500	G-1
GL-1624	5	2.5	2.0	600	0.090	54	25	60	125 @ 55%	—	4000	G-1
GL-1625	5	12.6	0.45	600	0.10	60	25	60	125 @ 55%	8	6000	G-1
⊙ GL-5513	3	6.3	32.0	4000	1.0	3600	1200	220	—	87	—	C-1000
GL-5516	5	6.0	0.7	600	0.090	45	15	80	165 @ 75%	9	4000	G-1
⊙ GL-5518	3	6.3	2.50	7500	2.0	12,000	4000	110	—	22	12,000	C-1000
⊙ GL-5549	3	12.6	56.0	8500	1.25	10,000	4000	50	—	23	—	C-1000
GL-5556/PJ-8	3	4.5	1.1	350	0.040	14	10	6	30	8.5	—	G-1
⊙ GL-5588	3	6.3	2.5	1000	0.30	250	200	1200	2000 @ 80%	16	—	C-1000
GL-5674	6	3.8	0.090	10	0.0001	Low-grid-current measurement tube					—	C-1000
⊙ GL-5680	3	13.0	36.0	6000	2.0	6000	2500	5	—	25	—	C-1000
◈ GL-5681	3	12.0	220.0	15,000	13.0	150,000	75,000	30	110 @ 60%	23	—	C-1000
⊙ GL-5736	3	6.0	60.0	3500	1.4	3500	2500	60	200	22	—	C-1000
GL-5740/FP-54	4	2.5	0.09	6	0.006	Low-grid-current measurement tube				—	—	C-1000
GL-5762	3	12.6	29.0	6200	1.4	8700	3000	30	220 @ 52%	29	—	C-1000
GL-5763	5	6.0	0.75	300	0.050	15	12	50	175 @ 80%	—	7000	G-1
GL-5894	6	12.6 6.3	0.9 1.8	600	0.20	120	40	250	500 @ 83%	8.2	—	C-1000
⊙ GL-6017	3	10.0	17.0	3000	0.70	2000	1000	400	—	40	—	C-1000
GL-6019	4	6.3	24.0	4000	0.7	2800	2000	900	—	10	—	C-1000
GL-6039	3	5.0	78.0	7500	2.25	16,000	7000	220	—	21	—	C-1000
GL-6146	5	6.3	1.25	600 **750**	0.140 **0.150**	67.5 **90**	20 **25**	—	—	4.5	7000	G-1
GL-6161	3	6.3	3.4	1600	0.35	560	250	900	2000@ 62.5%	27	—	C-1000
⊙ GL-6166	4	5.0	175.0	6600	2.75	18,000	10,000	30	220 @ 90%	10	—	C-1000
GL-6181	4	120.0	1.6	2000	1.25	2500	2000	900	—	8	—	C-1000
◈ GL-6182	4	6.3	15.0	9000	1.6	13,000	7000	900	—	20	—	C-1000
⊙ GL-6183	4	6.3	24.0	4000	0.7	2500	1500	900	—	10	—	C-1000
GL-6251	4	5.5	19.0	7000	8.0	50,000	25,000	220	—	20	—	C-1000
⊙ GL-6283	4	6.3	3.6	1600	0.300	350	200	900	—	10	—	C-1000
GL-6299	3	6.3	0.35	200	0.01	—	2	3000	—	115	12,000	C-500
GL-6442	3	6.3	0.9	3000	2.5	7.5	7.5	4000	—	50	16,500	C-500
GL-6897	3	6.3	1.05	1000	0.125	—	100	2500	—	100	24,000	C-500
GL-8000	3	10.0	4.5	2500	0.300	750	175	30	100	16.5	—	C-1000
◈ GL-8002	3	16.0	38.0	3500	1.0	3000	1200	150	300	21.5	—	C-1000
⊙ GL-8002-R	3	16.0	38.0	3500	1.0	3000	1200	120	200	21.5	—	C-1000
GL-8005	3	10.0	3.25	1250 **1500**	0.200 **0.200**	240 **300**	75 **85**	60	100 @ 60%	20.0	—	G-1

Figures in bold type are ICAS ratings.

‡ Single- or two-phase filament. Voltage is per unit.

§ Single-, three-, or six-phase filament. Voltage is per strand, current is per terminal.

††Single- or three-phase filament. Voltage is per strand, current is per strand.

⊙ Forced-air-cooled type.

◈ Water-cooled type.

PHOTOTUBES

11

Light-Sensitive Tubes For Photoelectric Control Service

Type No.	Gas or Vacuum	Spectral Response RETMA Standard	Anode, Volts	Sensitivity in Microamperes per Lumen	Window Dimensions, Inches	Max Amb Temp C	Warranty
GL-1P21*	Vacuum	S4	1250	80 amperes	$\frac{5}{16}$ x $\frac{15}{16}$	75	G-1
GL-1P39	Vacuum	S4	250	45	$\frac{5}{8}$ x $\frac{13}{16}$	75	G-1
GL-1P40	Gas	S1	90	135	$\frac{5}{8}$ x $\frac{13}{16}$	100	G-1
GL-441	Vacuum	S4	250	45	$\frac{11}{16}$ x 1 $\frac{5}{8}$	50	G-1
GL-868/PJ-23	Gas	S1	100	90	$\frac{5}{8}$ x 1 $\frac{1}{4}$	100	G-1
GL-918	Gas	S1	90	150	$\frac{5}{8}$ x 1 $\frac{1}{4}$	100	G-1
GL-919	Vacuum	S1	500	20	$\frac{11}{16}$ x 1 $\frac{5}{8}$	100	G-1
GL-920	Gas	S1	90	100	$\frac{1}{4}$ x 1 (each unit)	100	G-1
GL-921	Gas	S1	90	135	$\frac{5}{8}$ x $\frac{7}{8}$	100	G-1
GL-922	Vacuum	S1	500	20	$\frac{5}{8}$ x $\frac{5}{8}$	100	G-1
GL-923	Gas	S1	90	135	$\frac{11}{16}$ x $\frac{7}{8}$	100	G-1
GL-927	Gas	S1	90	125	$\frac{7}{16}$ x $\frac{7}{8}$	100	G-1
GL-929	Vacuum	S4	250	45	$\frac{5}{8}$ x $\frac{13}{16}$	75	G-1
GL-930	Gas	S1	90	135	$\frac{5}{8}$ x $\frac{13}{16}$	100	G-1
GL-931-A*	Vacuum	S4	1250	24 amperes	$\frac{5}{16}$ x $\frac{5}{16}$	75	G-1
GL-5581	Gas	S4	100	135	$\frac{5}{8}$ x $\frac{13}{16}$	75	G-1

*Multiplier type phototube.

TELEVISION CAMERA TUBES

12

For Use In Television Broadcast Service

IMAGE ORTHICON	Cathode					
Type No.	Volts	Current, Amp	Anode Voltage	Photocathode Voltage	Image Size Inches	Warranty
GL-5820	6.3	0.6	1350	—550	1.6 Diagonal	C-500
VIDICONS			Max Signal-Electrode Voltage			
GL-6198	6.3	0.6	125	Magnetic Focus, Magnetic Deflection		C-500
GL-6326	6.3	0.6	125	Magnetic Focus, Magnetic Deflection		C-500
ICONOSCOPE						
GL-1850-A	6.3	0.6	1200	Electrostatic Focus, Magnetic Deflection		C-500

VACUUM GAGES

13

Mc LEOD TYPES

To Measure Gas Pressure

Cat. No.	Type	Range in Microns	Warranty
1986939G1	M	0–200	—
1986939G2	M	0–2000	—
4933772G6	W	0–200	—
4933772G7	W	0–2000	—

CONDENSED WARRANTY INFORMATION

C-500	Warranted for 500 hours with prorated adjustment from 50 - 500 hours. Warranty expires one year from date of sale to ultimate user, or 18 months from date code on the tube.
C-1000	Warranted for 1000 hours with prorated adjustment from 50 - 1000 hours. Warranty expires one year from date of sale to ultimate user, or 18 months from date code on the tube.
G-1	Warranted for one month of service. Warranty expires one year from date of sale to ultimate user or 18 months from the date code on the tube.
H-12	Warranted for one year with prorated adjustment after 15 days of service. Warranty expires 18 months from date of sale to ultimate user, or 2 years from date code on the tube.
H-12 (3000)	Warranted for one year or 3000 hours of service, whichever occurs first. Prorated adjustment after 15 days of service. Warranty expires 18 months from date of sale to ultimate user, or 2 years from date code on the tube.
H-24	Warranted for 2 years with prorated adjustment after 15 days of service. Warranty expires 36 months from date of sale to ultimate user, or 3½ years from date code on the tube.
H-24 (8000)	Warranted for 2 years or 8000 hours of service, whichever occurs first. Prorated adjustment after 15 days of service. Warranty expires 36 months from date of sale to ultimate user, or 3½ years from date code on the tube.
H-36	Warranted for 3 years with prorated adjustment after 15 days of service. Warranty expires 48 months from date of sale to ultimate user, or 4½ years from date code on the tube.
W-1	Warranted for one month of service. Warranty expires one year from date of manufacture as indicated by the date code on the tube.

In addition to the power-tube types covered in this booklet the Electronic Components Division of the General Electric Company offers a complete line of electronic tubes for receiver, television, and special-purpose applications. These include:

TELEVISION PICTURE TUBES

RECEIVING TUBES FOR AM, FM, AND TELEVISION SERVICE

Rectifiers, Damping Diodes, Detectors, Converters, Voltage and Power Amplifiers, Oscillators and Mixers.

SPECIAL-PURPOSE TUBES

Computer Tubes, Mobile Communications Tubes, Special Low-Microphonic Types, Glow-Discharge Tubes, and Specialized-Application Types.

These tubes are included in the General Electric booklet "Essential Characteristics," which includes maximum ratings and typical operating conditions, basing diagrams, outline drawings with dimensions, basic circuit data, and a complete section on the interpretation of technical data. This publication is available only from your tube distributor.

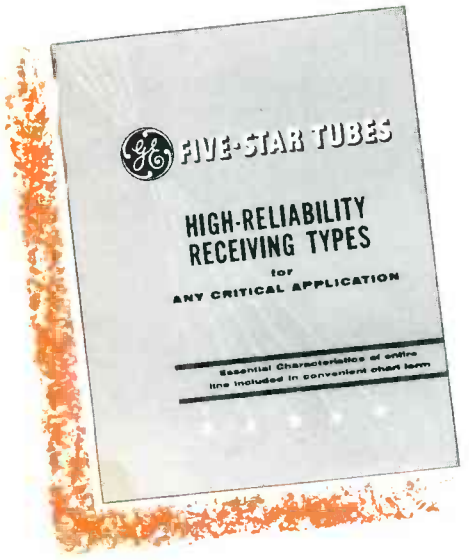
Other technical publications on General Electric electronic tubes include the following booklets, each of which deals with a particular class of tube and its application:

G-E TEMPERATURE-CONTROLLED IGNITRONS

Publication ETI-1121. A sixteen-page booklet listing features, applications, and operating instructions.

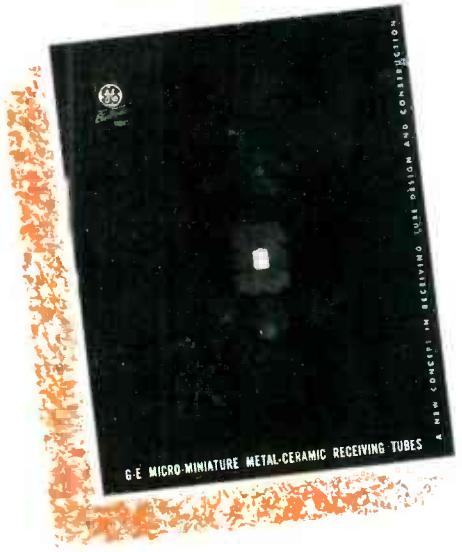
THE CARE, HANDLING, AND ADJUSTMENT OF IMAGE ORTHICONS

Publication ETI-1273. A sixteen-page booklet describing in detail the proper handling and storage of these tubes together with operating procedures that will assure most efficient operation and longest life.



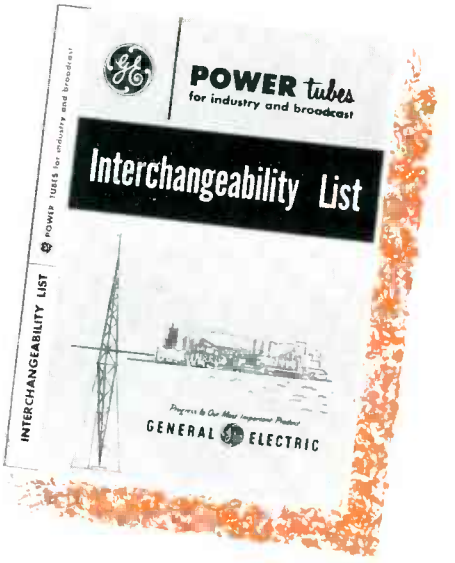
FIVE-STAR TUBES

Publication ETR-548C. A twenty-page booklet describing the special design features and manufacturing techniques of these high-reliability tubes for critical applications. It includes an explanation of these tubes and describes the applications in which they can be of service. Contains essential characteristics in convenient chart form.



G-E MICRO-MINIATURE METAL-CERAMIC RECEIVING TUBES

Publication ETR-1212. A sixteen-page booklet on the radically new design and construction principles developed for micro-miniature, ceramic receiving tubes by General Electric. Describes the tubes, their construction features, and includes application data.



INTERCHANGEABILITY LIST

Publication ETI-719. A complete listing of power-tube types of other manufacturer's with the G-E interchangeable or similar type.

DESCRIPTION AND RATING SHEETS

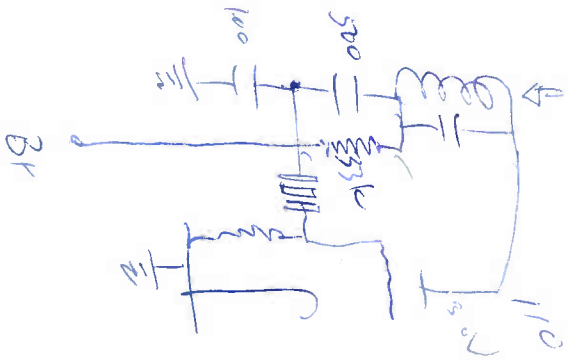
Available for every General Electric electronic tube. Sheets include complete data on the types covered — maximum ratings, typical operating conditions for all recommended classes of service, dimensional outline drawings, and characteristic curves. Be sure to mention tube type number.

Single copies of any of these publications are available on request.

TUBE RATINGS AND WARRANTIES ARE SUBJECT TO CHANGE WITHOUT NOTICE

G-E ELECTRONIC TUBES ARE AT WORK TODAY IN

- All types of Industrial Electronic Applications
- All types of Government Applications
- FM Communication Equipment
- AM and FM Broadcast • Television
- Police Radio • Carrier Current • Amateur Radio



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