HICKOK

Obsolete Tube Types

SUPPLEMENTARY TEST DATA

for

MODELS 539B & 539C

TUBE TESTERS

216- 541-8060

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10514 DUPONT AVENUE • CLEVELAND, OHIO 44108

PHONE — 541-8060
TWX — CV 662

CABLE — HICKOK, CLEVELAND
WESTERN UNION — KJ

3200-163
Supersedes 3200-111

TUBE TYPE	FIL.	SELECTORS	BIAS VOLTS	SHUNT	PRESS	RANGE	MIN. MUT.COND.	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
0A4	OFF	AP-0572-0	40.0	65	P5	G	----	NOTE 3.
0Y4	BLST	HY-3501-0	0.0	90	P2	G	----	SHORT ON 5. NOTE 3.
1A4	2.0	ER-0230-0	2.5	--	--	E	470	CAP = G. HOLD DOWN P1 & PRESS P4. NOTE 6.
1A5	1.4	HS-5340-0	10.2	--	P4	E	500	NOTE 6.
1A6	2.0	GR-0250-4	2.8	--	--	E	470	PENTODE SECTION. CAP = G. NOTE 6. HOLD DOWN P1 & PRESS P4.
1A6	2.0	GR-4350-2	5.5	--	P4	F	160	OSC. SECTION. NOTE 6.
1A7	1.4	HS-5340-0	0.0	--	--	E	575	PENTODE SECTION. CAP = G. HOLD DOWN P1 & PRESS P4. NOTE 6.
1A7	1.4	HS-5643-0	5.5	--	P4	F	250	OSC. SECTION. NOTE 6.
1AB5	1.1	JR-6230-0	0.0	--	P4	E	900	NOTE 6.
1AC5	1.1	EV-2780-0	3.4	--	P4	E	350	PLATE VOLTS = LOW. NOTE 6.
1AD5	1.1	EV-2780-0	0.5	--	P4	D	460	PLATE VOLTS = LOW. NOTE 6.
1AE4	1.1	BX-6230-0	1.7	--	P4	D	975	NOTE 6.
1AF4	1.4	BX-6230-0	0.4	--	P4	D	600	PLATE VOLTS = LOW. NOTE 6.
1AF5	1.4	BX-6540-0	1.4	--	P4	D	380	PENTODE SECTION. PLATE VOLTS = LOW NOTE 6.
1AF5	1.4	BX-0300-0	0.0	--	P1	D	----	DIODE SECTION. OK ABOVE 300 ON 3000 SCALE. NOTES 3 & 6.
1AG5	1.1	EW-5120-0	4.0	--	P4	F	220	PENTODE SECTION. NOTE 6.
1AG5	1.1	EW-0300-0	0.0	--	P1	D	----	DIODE SECTION. NOTES 3 & 6.
1AJ5	1.1	EW-5120-3	4.0	--	P4	F	270	PENTODE SECTION. NOTE 6.
1AJ5	1.1	EW-0300-0	0.0	--	P1	D	----	DIODE SECTION. NOTES 3 & 6.
1AK5	1.1	EW-5120-3	3.6	--	P4	F	175	PENTODE SECTION. NOTE 6.
1AK5	1.1	EW-0300-0	0.0	--	P1	D	----	DIODE SECTION. NOTES 3 & 6.
1AU3	1.1	HS-0000-0	0.0	--	P5	C	----	CAP = P. NOTES 3 & 6.
1AX2	1.4	BS-0000-0	0.0	--	P5	C	----	CAP = P. NOTES 3 & 6.
1B4	2.0	ER-0230-0	2.3	--	--	E	500	CAP = G. HOLD DOWN P1 & PRESS P4. NOTE 6.
1B5	2.0	GR-5200-0	4.0	--	P4	E	360	TRIODE SECTION. NOTE 6.
1B5	2.0	GR-5400-0	0.0	--	P1	D	----	DIODE NO. 1. NOTES 3 & 6.
1B5	2.0	GR-5300-0	0.0	--	P1	D	----	DIODE NO. 2. NOTES 3 & 6.
1B7	1.4	HS-0340-5	0.0	--	--	E	630	PENTODE SECTION. CAP = G. NOTE 6. HOLD DOWN P1 & PRESS P4.
1B7	1.4	HS-5640-3	0.0	--	--	D	570	OSC. SECTION. HOLD DOWN P1 & PRESS P4. NOTE 6.
1C3	1.4	BX-4200-0	2.6	--	P4	E	480	PLATE VOLTS = LOW. NOTE 6.
1C5	1.4	HS-5340-0	10.6	--	P4	E	1000	NOTE 6.
1C6	2.0	GR-0253-4	2.0	--	--	E	630	AMPL. SECTION. CAP = G. NOTE 6. HOLD DOWN P1 & PRESS P4.
1C6	2.0	GR-4352-0	4.0	--	P4	F	190	OSC. SECTION. NOTE 6.
1C7	2.0	HS-0346-5	2.0	--	--	E	630	PENTODE SECTION. CAP = G. NOTE 6. HOLD DOWN P1 & PRESS P4.
1C7	2.0	HS-5643-0	4.0	--	P4	F	190	OSC. SECTION. NOTE 6.
1D5	2.0	HS-0340-0	0.0	--	--	E	475	CAP = G. HOLD DOWN P1 & PRESS P4. NOTE 6.
1D7	2.0	HS-0346-5	2.8	--	--	E	470	PENTODE SECTION. CAP = G. NOTE 6. HOLD DOWN P1 & PRESS P4.
1D7	2.0	HS-5643-0	5.5	--	P4	F	160	OSC. SECTION. NOTE 6.
1D8	1.4	HS-5346-0	2.0	--	P4	E	550	PENTODE SECTION. NOTE 6. PLATE VOLTS = LOW.
1D8	1.4	HS-0600-0	1.5	--	P4	F	280	TRIODE SECTION. CAP = G. NOTE 6. PLATE VOLTS = LOW.
1D8	1.4	HS-0800-0	0.0	--	P1	D	----	DIODE SECTION. NOTES 3 & 6.
1DN5	1.4	BX-6230-0	2.8	--	P4	D	400	PENTODE SECTION. PLATE VOLTS = LOW NOTE 6.
1DN5	1.4	HR-0400-0	0.0	--	P1	D	----	DIODE SECTION. OK ABOVE 1600 ON 6000 SCALE. NOTES 3 & 6.
1E3	1.1	EV-1800-0	3.5	--	P4	D	2200	NOTE 6.
1E4	1.4	HS-5300-0	0.0	--	P4	E	825	NOTE 6.
1E5	2.0	HS-0340-0	2.3	--	--	E	500	CAP = G. HOLD DOWN P1 & PRESS P4. NOTE 6.
1E7	2.0	HS-5683-4	2.3	--	P4	D	900	PENTODE NO. 1. NOTE 6.
1E7	2.0	HS-4386-5	2.3	--	P4	D	900	PENTODE NO. 2. NOTE 6.
1F4	2.0	FR-3240-0	2.5	--	P4	E	880	NOTE 6.

TUBE TYPE	FIL.	SELECTORS	BIAS VOLTS	SHUNT	PRESS	RANGE	MIN. MUT.COND.	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
1F5	2.0	HS-5340-0	2.5	--	P4	E	880	NOTE 6.
1F6	2.0	GR-0230-0	0.6	--	--	E	410	PENTODE SECTION. CAP = G. NOTE 6. HOLD DOWN P1 & PRESS P4.
1F6	2.0	GR-0530-0	0.0	--	P1	D	----	DIODE NO. 1. OK ABOVE 200 ON 3000 SCALE. NOTES 3 & 6.
1F6	2.0	GR-0430-0	0.0	--	P1	D	----	DIODE NO. 2. OK ABOVE 200 ON 3000 SCALE. NOTE 6.
1F7	2.0	HS-0360-0	0.6	--	--	E	410	PENTODE SECTION. CAP = G. NOTE 6. HOLD DOWN P1 & PRESS P4.
1F7	2.0	HS-0463-0	0.0	--	P1	D	----	DIODE NO. 1. NOTES 3 & 6.
1F7	2.0	HS-0563-0	0.0	--	P1	D	----	DIODE NO. 2. NOTES 3 & 6.
1G4	1.4	HS-5300-0	4.5	--	P4	E	520	PLATE VOLTS = LOW. NOTE 6.
1G5	2.0	HS-5340-0	6.2	--	P4	E	950	NOTE 6.
1G6	1.4	HS-5600-0	2.1	--	P4	E	420	TRIODE NO. 1. NOTE 6.
1G6	1.4	HS-4300-0	2.1	--	P4	E	420	TRIODE NO. 2. NOTE 6.
1H4	2.0	HS-5300-0	9.1	--	P4	E	570	NOTE 6.
1H5	1.4	HS-0300-0	0.8	--	P4	F	190	TRIODE SECTION. CAP = G. NOTE 6.
1H5	1.4	HS-0500-0	0.0	--	P1	D	----	DIODE SECTION. NOTES 3 & 6.
1H6	2.0	HS-6300-0	4.0	--	P4	E	360	TRIODE SECTION. NOTE 6.
1H6	2.0	HS-6500-0	0.0	--	P1	D	----	DIODE NO. 1. NOTES 3 & 6.
1H6	2.0	HS-6400-0	0.0	--	P1	D	----	DIODE NO. 2. NOTES 3 & 6.
1J3	1.1	HS-0000-0	0.0	--	P5	C	----	CAP = P. NOTES 3 & 6.
1J5	2.0	HS-5340-0	15.0	--	P4	E	600	NOTE 6.
1J6	2.0	HS-5600-0	1.9	--	P4	E	630	TRIODE NO. 1. NOTE 6.
1J6	2.0	HS-4300-0	1.9	--	P4	E	630	TRIODE NO. 2. NOTE 6.
1L4	1.4	HR-6230-0	2.8	--	P4	E	650	NOTE 6.
1L6	1.4	BX-6253-4	0.6	--	P4	E	500	PENTODE SECTION. PLATE VOLTS = LOW NOTE 6.
1L6	1.4	BX-4352-6	0.6	--	P4	F	250	OSC. SECTION. NOTE 6.
1LA4	1.4	JR-6230-0	10.2	--	P4	E	500	NOTE 6.
1LA6	1.4	JR-6253-4	0.0	--	--	E	630	PENTODE SECTION. HOLD DOWN P1 & PRESS P4. NOTE 6.
1LA6	1.4	JR-4352-6	0.0	--	P4	F	220	OSC. SECTION. NOTE 6.
1LB4	1.4	JR-6230-0	4.0	--	P4	E	575	PLATE VOLTS = LOW. NOTE 6.
1LC5	1.4	JR-6234-0	1.0	--	P4	E	475	PLATE VOLTS = LOW. NOTE 6.
1LC6	1.4	JR-6253-4	1.0	--	--	E	630	PENTODE SECTION. HOLD DOWN P1 & PRESS P4. NOTE 6.
1LC6	1.4	JR-4352-6	3.5	--	--	E	350	OSC. SECTION. HOLD DOWN P1 & PRESS P4. NOTE 6.
1LD5	1.4	JR-6230-0	0.0	--	P4	E	500	PENTODE SECTION. PLATE VOLTS = LOW NOTE 6.
1LD5	1.4	JR-0400-0	0.0	--	P1	D	----	DIODE SECTION. NOTES 3 & 6.
1LE3	1.4	JR-6200-0	4.3	--	P4	E	760	NOTE 6.
1LF3	1.4	JR-6200-0	4.3	--	P4	E	760	NOTE 6.
1LG5	1.4	JR-6234-0	4.2	--	P4	E	660	NOTE 6.
1LH4	1.4	JR-6200-0	0.8	--	P4	F	190	TRIODE SECTION. NOTE 6.
1LH4	1.4	JR-6400-0	0.0	--	P1	D	----	DIODE SECTION. NOTES 3 & 6.
1LN5	1.4	JR-6234-0	1.1	--	P4	E	480	NOTE 6.
1N5	1.4	HS-0340-0	1.1	--	P4	E	480	CAP = G. NOTE 6.
1N6	1.4	HS-5340-0	11.8	--	P4	E	500	PENTODE SECTION. NOTE 6.
1N6	1.4	HS-0600-0	0.0	--	P1	D	----	DIODE SECTION. OK ABOVE 500 ON 3000 SCALE. NOTES 3 & 6.
1P5	1.4	HS-0340-0	1.0	--	P4	E	500	CAP = G. NOTE 6.
1Q5	1.4	HS-5340-0	7.5	--	P4	C	1320	NOTE 6.
1Q6	1.1	EV-2780-0	2.0	--	P4	F	250	PENTODE SECTION. NOTE 6.
1Q6	1.1	EV-0600-0	0.0	--	P1	D	----	DIODE SECTION. OK ABOVE 250 ON 3000 SCALE. NOTES 3 & 6.
1R4	1.4	JR-0407-0	0.0	--	P1	D	----	DIODE. NOTE 3.
1S6	1.1	EV-3180-0	1.5	--	P4	F	280	PENTODE SECTION. NOTE 6.
1S6	1.1	EV-0600-0	0.0	--	P1	D	----	DIODE SECTION. OK ABOVE 300 ON 3000 SCALE. NOTES 3 & 6.
1SA6	1.4	HS-4863-0	0.0	--	--	E	525	HOLD DOWN P1 & PRESS P4. NOTE 6.
1SB6	1.4	HS-8340-0	0.5	--	P4	E	410	PENTODE SECTION. PLATE VOLTS = LOW NOTE 6.

SEE NEXT PAGE FOR CONTINUATION

TUBE TYPE	FIL.	SELECTORS	BIAS VOLTS	SHUNT	PRESS	RANGE	MIN. MUT.COND.	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
1SB6	1.4	HS-8500-0	0.0	--	P1	D	----	DIODE SECTION. NOTES 3 & 6.
1T4	1.4	BX-6230-0	0.0	--	P4	E	490	PLATE VOLTS = LOW. NOTE 6.
1T5	1.4	HS-5340-0	11.0	--	P4	E	725	NOTE 6.
1T6	1.1	EV-3186-0	1.5	--	P4	F	280	PENTODE SECTION. NOTE 6.
1T6	1.1	EV-0600-0	0.0	--	P1	D	----	DIODE SECTION. OK ABOVE 300 ON 3000 SCALE. NOTES 3 & 6.
1U5	1.4	BX-6230-0	1.0	--	P4	E	390	PENTODE SECTION. PLATE VOLTS = LOW NOTE 6.
1U5	1.4	BX-6430-0	0.0	--	P1	D	----	DIODE SECTION. NOTES 3 & 6.
1U6	1.4	BX-6253-4	1.6	--	P4	D	630	AMPL. SECTION. PLATE VOLTS = LOW. NOTE 6.
1U6	1.4	BX-4356-2	1.5	--	P4	F	190	OSC. SECTION. NOTE 6.
1V	6.3	ER-0203-0	0.0	89	P3	G	----	NOTE 3.
1V5	1.1	EV-2780-0	3.4	--	P4	E	350	PLATE VOLTS = LOW. NOTE 6.
1V6	1.1	EX-3120-5	0.5	--	P4	F	315	PENTODE SECTION. NOTE 6.
1V6	1.1	EX-5600-3	4.0	--	P4	F	190	TRIODE SECTION. NOTE 6.
1W4	1.4	BX-6230-0	2.5	--	P4	E	580	PLATE VOLTS = LOW. NOTE 6.
1Z2	1.4	BS-0000-0	0.0	12	P5	G	----	CAP = P. NOTES 3 & 6.
2A3	2.5	ER-3200-0	24.0	--	P4	D	1900	NOTE 6.
2A4	2.5	HS-5300-0	--	86	P5	G	----	STRIKES NEAR 8.5 V. NOTES 2,3 & 6
2A5	2.5	GR-4235-0	1.7	--	P4	D	1640	NOTE 6.
2A6	2.5	GR-0205-0	1.1	--	P4	D	700	TRIODE SECTION. CAP = G.
2A6	2.5	GR-0405-0	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
2A6	2.5	GR-0305-0	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
2A7	2.5	HR-0236-5	1.0	--	P4	D	1000	PENTODE SECTION. CAP = G. PLATE VOLTS = LOW.
2A7	2.5	HR-5436-2	4.0	--	P4	F	280	OSC. SECTION.
2B3	1.4	HS-0000-0	0.0	12	P5	G	----	CAP = P. NOTES 3 & 6.
2B4	2.5	FR-3204-0	--	89	P5	G	----	STRIKES AT ABOUT 24 V. NOTES 2 & 3
2B6	2.5	HR-4236-0	7.0	--	P4	E	950	
2B7	2.5	HR-0236-0	5.6	--	P4	E	630	PENTODE SECTION. CAP = G.
2B7	2.5	HR-0536-0	0.0	--	P1	C	----	DIODE NO. 1. NOTE 3.
2B7	2.5	HR-0436-0	0.0	--	P1	C	----	DIODE NO. 2. NOTE 3.
2B22	6.3	HS-0008-0	0.0	88	P3	G	----	TOP WASHER = P. NOTE 3.
2B23	6.3	HS-0308-0	0.0	40	P5	G	----	NOTE 3.
2C4	2.5	HR-3504-0	--	88	P5	G	----	STRIKES AT ABOUT 23 V. NOTES 2 & 3
2C21	6.3	HR-4506-0	7.5	--	P4	E	870	TRIODE NO. 1.
2C21	6.3	HR-0302-0	7.5	--	P4	E	870	TRIODE NO. 2. CAP = G.
2C22	6.3	HS-0008-0	3.7	--	P4	D	1900	FAR CAP = G. NEAR CAP = P.
2C26	6.3	HS-0008-0	2.5	--	P4	E	950	RIGHT CAP = P. LEFT CAP = G.
2C40	6.3	HS-0008-0	1.5	--	P4	C	3000	CAP = P. RING = G.
2C43	6.3	HS-0008-0	0.4	--	P4	C	5000	CAP = P. RING = G.
2C45	7.5	ER-3200-0	8.0	--	P4	E	1380	NOTE 6.
2C50	12.6	HY-1203-0	11.8	--	P4	E	1125	TRIODE NO. 1.
2C50	12.6	HY-4506-0	11.8	--	P4	E	1125	TRIODE NO. 2.
2C52	12.6	HY-4506-2	0.8	--	P4	D	950	TRIODE NO. 1.
2C52	12.6	HY-1203-5	0.8	--	P4	D	950	TRIODE NO. 2.
2C53	6.3	HS-5008-0	0.0	--	P4	F	190	CAP = P.
2DZ4	2.5	ET-2105-0	0.8	--	P4	C	5000	PLATE VOLTS = LOW.
2E5	2.5	GR-5403-0	0.0	--	P4	G	----	EYE OPEN. SHORT ON B.
2E5	2.5	GR-5423-0	0.0	--	P4	G	----	EYE CLOSED. SHORT ON B.
2E22	6.3	FR-3024-0	0.0	--	P4	D	2500	CAP = P.
2E24	6.3	HS-5030-0	7.2	--	P4	D	2000	CAP = P. NOTE 6.
2E25	6.3	HS-5040-8	0.0	--	P4	D	1900	CAP = P. NOTE 6.
2E26	6.3	HS-5031-8	8.0	--	P4	D	2200	CAP = P.
2E30	6.3	ET-1560-2	3.0	--	P4	D	1900	NOTE 6.
2E31	1.1	DV-4120-0	3.0	--	P4	F	315	NOTE 6.
2E32	1.1	DV-4120-0	3.0	--	P4	F	315	NOTE 6.
2E35	1.1	DV-4120-0	3.3	--	P4	F	315	NOTE 6.
2E36	1.1	DV-4120-0	3.3	--	P4	F	315	NOTE 6.
2E41	1.1	EW-5120-0	4.0	--	P4	F	220	PENTODE SECTION. NOTE 6.
2E41	1.1	EW-0300-0	0.0	--	P1	D	----	DIODE SECTION. NOTES 3 & 6.
2E42	1.1	EW-5120-0	4.0	--	P4	F	220	PENTODE SECTION. NOTE 6.
2E42	1.1	EW-0300-0	0.0	--	P1	D	----	DIODE SECTION. NOTES 3 & 6.

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2G21	1.1	EX-3265-1	3.0	--	P4	F	190	HEPTODE SECTION. NOTE 6.
2G21	1.1	EX-3100-6	4.6	--	P4	F	250	TRIODE SECTION. NOTE 6.
2G22	1.1	EX-3265-1	3.0	--	P4	F	190	HEPTODE SECTION. NOTE 6.
2G22	1.1	EX-3100-6	4.6	--	P4	F	250	TRIODE SECTION. NOTE 6.
2V2	2.5	HS-0005-0	0.0	--	P5	E	----	CAP = P. SHORT ON 1. NOTES 3 & 6.
2V3	2.5	HS-0000-0	0.0	12	P5	G	----	CAP = P. NOTES 3 & 6.
2W3	2.5	JS-0400-0	0.0	85	P3	G	----	NOTES 3 & 6.
2X2A	2.5	ER-0000-0	0.0	40	P5	G	----	CAP = P. NOTES 3 & 6.
2Z2	2.5	ER-0200-0	0.0	65	P3	G	----	NOTES 3 & 6.
3A4	2.5	BX-4230-0	1.0	--	--	D	1260	HOLD DOWN P1 & PRESS P4. NOTE 6.
3A5	3.0	BX-5600-0	7.2	--	P4	E	1260	TRIODE NO. 1. NOTE 6.
3A5	3.0	HR-3200-0	7.2	--	P4	E	1260	TRIODE NO. 2. NOTE 6.
3A8	2.5	HS-0340-0	2.2	--	P4	E	470	PENTODE SECTION. CAP = G. NOTE 6.
3A8	2.5	HS-5600-0	0.0	--	P4	F	125	TRIODE SECTION. NOTE 6.
3A8	2.5	HS-0800-0	0.0	--	P1	D	----	DIODE SECTION. NOTES 3 & 6.
3B5	2.5	HS-5340-0	6.2	--	P4	E	950	PLATE VOLTS = LOW. NOTE 6.
3B7	2.5	BY-6700-0	2.8	--	P4	D	1200	TRIODE NO. 1. PLATE VOLTS = LOW. NOTE 6.
3B7	2.5	JR-3200-0	2.8	--	P4	D	1200	TRIODE NO. 2. PLATE VOLTS = LOW. NOTE 6.
3B24	2.5	ER-0000-0	0.0	63	P5	G	----	CAP = P. FIRST HALF OF FIL. NOTES 3 & 6.
3B24	2.5	CR-0000-0	0.0	63	P5	G	----	CAP = P. SECOND HALF OF FIL. NOTES 3 & 6.
3B29	3.0	ER-0000-0	0.0	80	P5	G	----	CAP = P. NOTES 3 & 6.
3C2	3.0	HS-0000-0	0.0	20	P5	G	----	CAP = P. NOTES 3 & 6.
3C6	2.5	BY-5600-0	3.5	--	P4	D	700	TRIODE NO. 1. PLATE VOLTS = LOW. NOTE 6.
3C6	2.5	JR-4300-0	3.5	--	P4	D	700	TRIODE NO. 2. PLATE VOLTS = LOW. NOTE 6.
3CF6	3.0	ET-1562-7	1.0	--	P4	C	3900	
3D6	2.5	JR-6230-0	4.0	--	--	E	1300	HOLD DOWN P1 & PRESS P4. NOTE 6.
3E5	2.5	BX-6235-0	5.0	--	--	E	750	SHORT ON 1. HOLD DOWN P1 & PRESS P4. NOTE 6.
3E6	3.0	JR-6234-0	4.8	--	P4	D	1260	NOTE 6.
3ES5	3.0	ET-2501-0	1.0	--	P4	C	4500	
3FQ5	3.0	ET-2507-0	1.2	--	P4	C	5000	
3FQ5A	3.0	ET-2507-0	1.2	--	P4	C	6500	
3GS8	3.0	EV-7821-9	0.0	--	--	D	630	PENTODE NO. 1. HOLD DOWN P1 & PRESS P4.
3GS8	3.0	EV-7321-6	0.0	--	--	D	630	PENTODE NO. 2. HOLD DOWN P1 & PRESS P4.
3GU5	3.0	ET-1562-0	0.4	--	P4	C	8500	
3HM6	3.0	EV-2781-9	0.8	--	P4	C	6700	
3HS8	3.0	EV-7821-9	1.0	--	P4	D	500	PENTODE NO. 1.
3HS8	3.0	EV-7321-6	1.0	--	P4	D	500	PENTODE NO. 2.
3HT6	3.0	EV-2781-9	0.8	--	P4	C	5300	
3LE4	2.5	JR-6230-0	5.6	--	P4	E	1200	NOTE 6.
3LF4	2.5	JR-6230-0	5.6	--	P4	E	1200	NOTE 6.
3Q4	3.0	HR-3240-0	4.0	--	P4	E	1350	NOTE 6.
3Q5	2.5	HS-5340-0	8.3	--	P4	E	1130	NOTE 6.
3S4	2.5	HR-3240-0	5.0	--	P4	E	950	PLATE VOLTS = LOW. NOTE 6.
4A6	3.0	HS-5600-0	7.2	--	P4	D	630	TRIODE NO. 1. NOTE 6.
4A6	3.0	CX-4300-0	7.2	--	P4	D	630	TRIODE NO. 2. NOTE 6.
4BA6	4.3	ET-1567-2	1.0	--	P4	D	2070	
4BE6	4.3	ET-7562-1	0.0	--	--	D	940	AMPL. SECTION. HOLD DOWN P1 & PRESS P4.
4BE6	4.3	ET-1602-7	2.0	--	P4	C	4500	OSC. SECTION.
4BX8	4.3	EV-7608-9	1.0	--	P4	C	3400	TRIODE NO. 1. PLATE VOLTS = LOW.
4BX8	4.3	EV-2103-9	1.0	--	P4	C	3400	TRIODE NO. 2. PLATE VOLTS = LOW.
4BZ8	4.3	EV-7608-9	2.2	--	P4	C	2500	TRIODE NO. 1.
4BZ8	4.3	EV-2103-9	2.2	--	P4	C	2500	TRIODE NO. 2.
4CE5	4.3	ET-1562-0	1.0	--	P4	C	3900	
4GW5	4.3	ET-2105-0	1.2	--	P4	B	9400	
5A6	5.0	EV-7160-3	12.0	--	P4	D	1900	NOTE 6.

TUBE TYPE	FIL.	SELECTORS	BIAS VOLTS	SHUNT	PRESS	RANGE	MIN. MUT.COND.	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
5AS4	5.0	JS-0600-0	0.0	87	P3	G	----	PLATE NO. 1. NOTES 3 & 6.
5AS4	5.0	JS-0400-0	0.0	84	P3	G	----	PLATE NO. 2. NOTES 3 & 6.
5AW4	5.0	JS-0600-4	0.0	88	P3	G	----	PLATE NO. 1. NOTES 3 & 6.
5AW4	5.0	JS-0400-6	0.0	87	P3	G	----	PLATE NO. 2. NOTES 3 & 6.
5AX4	5.0	JS-0600-0	0.0	80	P3	G	----	PLATE NO. 1. NOTES 3 & 6.
5AX4	5.0	JS-0400-0	0.0	84	P3	G	----	PLATE NO. 2. NOTES 3 & 6.
5AZ4	5.0	JS-0600-4	0.0	75	P3	G	----	PLATE NO. 1. NOTES 3 & 6.
5AZ4	5.0	JS-0400-6	0.0	70	P3	G	----	PLATE NO. 2. NOTES 3 & 6.
5BS8	5.0	EV-7608-9	0.0	--	P4	C	4100	TRIODE NO. 1. PLATE VOLTS = LOW.
5BS8	5.0	EV-2103-9	0.0	--	P4	C	4100	TRIODE NO. 2. PLATE VOLTS = LOW.
5BZ7	5.0	EV-7608-9	2.2	--	P4	C	4300	TRIODE NO. 1.
5BZ7	5.0	EV-2103-9	2.2	--	P4	C	4300	TRIODE NO. 2.
5CM6	5.0	EV-3917-0	3.3	--	P4	D	2600	
5CR8	5.0	EV-2673-8	1.0	--	P4	D	3000	PENTODE SECTION.
5CR8	5.0	EV-9108-0	2.8	--	P4	D	2500	TRIODE SECTION.
5CU4	5.0	JS-0601-0	0.0	90	P3	G	----	PLATE NO. 1. NOTE 3.
5CU4	5.0	JS-0401-0	0.0	90	P3	G	----	PLATE NO. 2. NOTE 3.
5EH8	5.0	EV-7986-0	1.0	--	P4	D	2700	PENTODE SECTION.
5EH8	5.0	EV-2301-0	1.6	--	P4	C	4700	TRIODE SECTION.
5T4	5.0	JS-0600-0	0.0	88	P3	G	----	PLATE NO. 1. NOTES 3 & 6.
5T4	5.0	JS-0400-0	0.0	86	P3	G	----	PLATE NO. 2. NOTES 3 & 6.
5W4	5.0	JS-0600-0	0.0	77	P3	G	----	PLATE NO. 1. NOTES 3 & 6.
5W4	5.0	JS-0400-0	0.0	74	P3	G	----	PLATE NO. 2. NOTES 3 & 6.
5X3	5.0	ER-0300-0	0.0	75	P3	G	----	PLATE NO. 1. NOTES 3 & 6.
5X3	5.0	ER-0200-0	0.0	70	P3	G	----	PLATE NO. 2. NOTES 3 & 6.
5X4	5.0	HY-0500-0	0.0	87	P3	G	----	PLATE NO. 1. NOTES 3 & 6.
5X4	5.0	HY-0300-0	0.0	84	P3	G	----	PLATE NO. 2. NOTES 3 & 6.
5Y4	5.0	HY-0500-0	0.0	80	P3	G	----	PLATE NO. 1. NOTES 3 & 6.
5Y4	5.0	HY-0300-0	0.0	75	P3	G	----	PLATE NO. 2. NOTES 3 & 6.
5Z3	5.0	ER-0300-0	0.0	87	P3	G	----	PLATE NO. 1. NOTES 3 & 6.
5Z3	5.0	ER-0200-0	0.0	84	P3	G	----	PLATE NO. 2. NOTES 3 & 6.
5Z4	5.0	JS-0600-0	0.0	91	P3	G	----	PLATE NO. 1. NOTES 3 & 6.
5Z4	5.0	JS-0400-0	0.0	91	P3	G	----	PLATE NO. 2. NOTES 3 & 6.
6A3	6.3	ER-3200-0	26.0	--	P4	D	1900	NOTE 6.
6A4	6.3	FR-3240-0	5.0	--	P4	E	1260	NOTE 6.
6A5	6.3	HS-5300-0	26.0	--	P4	D	1900	NOTE 6.
6A6	6.3	HR-5604-0	2.3	--	P4	D	950	TRIODE NO. 1.
6A6	6.3	HR-3204-0	2.3	--	P4	D	950	TRIODE NO. 2.
6A7	6.3	HR-0236-5	1.0	--	P4	D	1000	PENTODE SECTION. CAP = G. PLATE VOLTS = LOW.
6A7	6.3	HR-5436-2	4.0	--	P4	F	280	OSC. SECTION.
6A8	6.3	HS-0348-5	1.0	--	P4	D	1000	PENTODE SECTION. CAP = G. PLATE VOLTS = LOW.
6A8	6.3	HS-5648-3	4.0	--	P4	F	280	OSC. SECTION.
6AB5	6.3	GR-5403-0	0.0	--	P4	G	----	EYE OPEN. SHORT ON B.
6AB5	6.3	GR-5423-0	0.0	--	P4	G	----	EYE CLOSED. SHORT ON B.
6AB6	6.3	HS-5348-0	0.9	--	P4	D	920	
6AB7	6.3	HS-4865-3	2.0	--	P4	D	2200	
6AB8	6.3	EV-9683-7	4.0	--	P4	D	2100	PENTODE SECTION.
6AB8	6.3	EV-2103-0	5.0	--	P4	D	850	TRIODE SECTION.
6AC5	6.3	HS-5308-0	0.0	--	P4	E	630	
6AC6	6.3	HS-5348-0	0.0	--	P4	E	1500	
6AD4	6.3	DW-1805-0	1.7	--	P4	D	1260	
6AD6	6.3	HS-4358-0	0.0	--	P4	G	----	EYE 1 OPEN. EYE 2 CLOSED.
6AD6	6.3	HS-3458-0	0.0	--	P4	G	----	EYE 1 CLOSED. EYE 2 OPEN.
6AD7	6.3	HS-5348-6	5.3	--	P4	E	1260	PENTODE SECTION.
6AD7	6.3	HS-1608-3	0.0	--	P4	E	380	TRIODE SECTION.
6AE5	6.3	HS-5308-0	25.5	--	P4	E	750	
6AE6	6.3	HS-5408-3	0.0	--	P4	E	470	TRIODE NO. 1.
6AE6	6.3	HS-5308-4	0.0	--	P4	E	540	TRIODE NO. 2.
6AE7	6.3	HS-6308-4	7.6	--	P4	E	950	TRIODE NO. 1.
6AE7	6.3	HS-4305-6	7.6	--	P4	E	950	TRIODE NO. 2.
6AF5	6.3	HS-5308-0	15.3	--	P4	E	950	

TUBE TYPE	FIL.	SELECTORS	BIAS VOLTS	SHUNT	PRESS	RANGE	MIN. MUT.COND.	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
6AF6	6.3	HS-4358-0	0.0	--	P4	G	----	EYE 1 OPEN. EYE 2 CLOSED.
6AF6	6.3	HS-3458-0	0.0	--	P4	G	----	EYE 2 OPEN. EYE 1 CLOSED.
6AH4	6.3	HS-1508-0	11.0	--	P4	C	3460	
6AH6	6.3	ET-1567-2	1.0	--	P4	C	5650	
6AH7	6.3	HY-5604-3	4.0	--	P4	D	1500	TRIODE NO. 1.
6AH7	6.3	HY-1302-6	4.0	--	P4	D	1500	TRIODE NO. 2.
6AJ4	6.3	JX-1502-0	2.2	--	P4	C	6300	
6AJ5	6.3	ET-1562-0	1.8	--	P4	D	1600	PLATE VOLTS = LOW.
6AJ7	6.3	HS-4865-3	1.0	--	P4	C	5650	
6AK4	6.3	DW-1805-7	4.0	--	P4	D	2400	
6AK7	6.3	HS-4865-1	1.7	--	P4	C	5000	
6AL7	6.3	HS-6358-0	--	--	P4	G	----	BIAS CONTROLS LEFT PATTERN. BIAS = VARY.
6AL7	6.3	HS-5348-0	--	--	P4	G	----	BIAS CONTROLS BOTH PATTERNS. BIAS = VARY.
6AL7	6.3	HS-4358-0	--	--	P4	G	----	BIAS CONTROLS RIGHT PATTERN. BIAS = VARY.
6AM4	6.3	JX-1502-0	0.8	--	P4	C	5650	
6AN6	6.3	HR-0506-0	0.0	--	P1	E	----	PLATE NO. 1. NOTE 3.
6AN6	6.3	HR-0406-0	0.0	--	P1	E	----	PLATE NO. 2. NOTE 3.
6AN6	6.3	HR-0306-0	0.0	--	P1	E	----	PLATE NO. 3. NOTE 3.
6AN6	6.3	HR-0206-0	0.0	--	P1	E	----	PLATE NO. 4. NOTE 3.
6AQ6	6.3	ET-1702-0	1.8	--	P4	D	725	TRIODE SECTION.
6AQ6	6.3	ET-0602-0	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
6AQ6	6.3	ET-0502-0	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
6AQ7	6.3	HY-4506-0	1.5	--	P4	E	630	TRIODE SECTION.
6AQ7	6.3	HY-4102-0	0.0	--	P1	C	----	DIODE NO. 1. NOTE 3.
6AQ7	6.3	HY-4302-0	0.0	--	P1	C	----	DIODE NO. 2. NOTE 3.
6AR5	6.3	ET-1562-0	9.0	--	P4	E	1000	
6AR6	6.3	GY-7351-0	4.0	--	P4	C	3400	
6AR8	6.3	EV-6937-2	0.8	--	P4	D	2200	PLATE NO. 1. DISREGARD NEON FLASH IN SHORT TESTING.
6AR8	6.3	EV-6837-2	0.8	--	P4	D	2200	PLATE NO. 2. DISREGARD NEON FLASH IN SHORT TESTING.
6AS5	6.3	ET-2761-0	10.5	--	P4	C	3530	
6AU7	6.3	EV-7608-0	3.2	--	P4	D	1950	TRIODE NO. 1.
6AU7	6.3	EV-2103-0	3.2	--	P4	D	1950	TRIODE NO. 2.
6AV5	6.3	HS-1583-0	6.5	--	--	C	3500	HOLD DOWN P1 & PRESS P4.
6AW7	6.3	HY-2601-0	0.0	--	P4	E	750	TRIODE SECTION.
6AW7	6.3	HY-2305-0	0.0	0	P1	G	----	DIODE NO. 1. NOTE 3.
6AW7	6.3	HY-2401-0	0.0	0	P1	G	----	DIODE NO. 2. NOTE 3.
6AX6	6.3	HS-0508-0	0.0	91	P3	G	----	PLATE NO. 1. NOTE 3.
6AX6	6.3	HS-0304-0	0.0	91	P3	G	----	PLATE NO. 2. NOTE 3.
6AX7	6.3	EV-7608-0	1.3	--	P4	D	875	TRIODE NO. 1.
6AX7	6.3	EV-2103-0	1.3	--	P4	D	875	TRIODE NO. 2.
6AX8	6.3	EV-2637-0	0.8	--	P4	D	2400	PENTODE SECTION.
6AX8	6.3	EV-9108-0	1.0	--	P4	C	5350	TRIODE SECTION.
6AZ5	6.3	DW-0807-0	0.0	0	P1	G	----	DIODE NO. 1. NOTE 3.
6AZ5	6.3	DW-0102-0	0.0	0	P1	G	----	DIODE NO. 2. NOTE 3.
6AZ6	6.3	DW-0204-8	0.0	0	P1	G	----	DIODE NO. 1. NOTE 3.
6AZ6	6.3	DW-0705-8	0.0	0	P1	G	----	DIODE NO. 2. NOTE 3.
6B4	6.3	HS-5300-0	25.0	--	P4	D	1900	
6B5	6.3	GR-4235-0	1.5	--	P4	D	950	
6B6	6.3	HS-0308-0	0.9	--	P4	D	700	TRIODE SECTION. CAP = G.
6B6	6.3	HS-0508-0	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
6B6	6.3	HS-0408-0	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
6B7	6.3	HR-0236-0	5.6	--	P4	E	630	PENTODE SECTION. CAP = G.
6B7	6.3	HR-0536-0	0.0	--	P1	C	----	DIODE NO. 1. NOTE 3.
6B7	6.3	HR-0436-0	0.0	--	P1	C	----	DIODE NO. 2. NOTE 3.
6B8	6.3	HS-0368-1	4.0	--	P4	E	720	PENTODE SECTION. CAP = G.
6B8	6.3	HS-0568-1	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
6B8	6.3	HS-0468-1	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
6BD5	6.3	HS-1583-0	2.3	--	P4	D	3150	
6BD6	6.3	ET-1567-2	3.0	--	P4	D	1260	

TUBE TYPE	FIL.	SELECTORS	BIAS VOLTS	SHUNT	PRESS	RANGE	MIN. MUT.COND.	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
6BE7	6.3	EV-7163-9	6.0	--	P4	E	630	
6BE8	6.3	EV-9678-3	0.8	--	P4	D	2400	PENTODE SECTION. NOTE 6.
6BE8	6.3	EV-1203-0	1.0	--	P4	C	5350	TRIODE SECTION.
6BF5	6.3	ET-1562-0	12.2	--	P4	D	2450	
6BF6	6.3	ET-1702-0	3.0	--	P4	E	1200	TRIODE SECTION.
6BF6	6.3	ET-1602-0	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
6BF6	6.3	ET-1502-0	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
6BF7	6.3	DW-7805-0	1.6	--	P4	D	3000	TRIODE NO. 1.
6BF7	6.3	DW-2104-0	1.6	--	P4	D	3000	TRIODE NO. 2.
6BF8	6.3	EV-0906-0	0.0	--	P1	G	----	DIODE NO. 1. NOTE 3.
6BF8	6.3	EV-0806-0	0.0	--	P1	G	----	DIODE NO. 2. NOTE 3.
6BF8	6.3	EV-0706-0	0.0	--	P1	G	----	DIODE NO. 3. NOTE 3.
6BF8	6.3	EV-0306-0	0.0	--	P1	G	----	DIODE NO. 4. NOTE 3.
6BF8	6.3	EV-0206-0	0.0	--	P1	G	----	DIODE NO. 5. NOTE 3.
6BF8	6.3	EV-0106-0	0.0	--	P1	G	----	DIODE NO. 6. NOTE 3.
6BG6	6.3	HS-5083-0	4.5	--	P4	C	3800	CAP = P.
6BG7	6.3	DW-7805-0	1.6	--	P4	D	3000	TRIODE NO. 1.
6BG7	6.3	DW-2104-0	1.6	--	P4	D	3000	TRIODE NO. 2.
6BJ6	6.3	ET-1562-7	0.8	--	P4	C	2400	
6BK5	6.3	EV-3186-0	0.0	--	P4	C	4700	
6BK6	6.3	ET-1702-5	0.8	--	P4	D	790	TRIODE SECTION.
6BK6	6.3	ET-0602-5	0.0	--	P1	C	----	DIODE NO. 1. NOTE 3.
6BK6	6.3	ET-0502-7	0.0	--	P1	C	----	DIODE NO. 2. NOTE 3.
6BL4	6.3	HY-0503-0	0.0	90	P3	G	----	NOTE 3.
6BS8	6.3	EV-7608-9	0.0	--	P4	C	4100	TRIODE NO. 1. PLATE VOLTS = LOW.
6BS8	6.3	EV-2103-9	0.0	--	P4	C	4100	TRIODE NO. 2. PLATE VOLTS = LOW.
6BT6	6.3	ET-1702-0	2.1	--	P4	D	820	TRIODE SECTION.
6BT6	6.3	ET-1602-0	0.0	--	P1	C	----	DIODE NO. 1. NOTE 3.
6BT6	6.3	ET-1502-0	0.0	--	P1	C	----	DIODE NO. 2. NOTE 3.
6BT8	6.3	EV-8679-0	1.0	--	P4	C	3900	PENTODE SECTION.
6BT8	6.3	EV-0103-0	0.0	--	P1	E	----	DIODE NO. 1. NOTE 3.
6BT8	6.3	EV-0203-0	0.0	--	P1	E	----	DIODE NO. 2. NOTE 3.
6BU6	6.3	ET-1702-0	6.0	--	P4	E	950	TRIODE SECTION.
6BU6	6.3	ET-1602-0	0.0	--	P1	C	----	DIODE NO. 1. NOTE 3.
6BU6	6.3	ET-1502-0	0.0	--	P1	C	----	DIODE NO. 2. NOTE 3.
6BV8	6.3	EV-2301-0	2.3	--	P4	C	3500	TRIODE SECTION.
6BV8	6.3	EV-0907-0	0.0	0	P1	G	----	DIODE NO. 1. NOTE 3.
6BV8	6.3	EV-0608-0	0.0	0	P1	G	----	DIODE NO. 2. NOTE 3.
6BW4	6.3	EV-0709-1	0.0	75	P3	G	----	PLATE NO. 1. NOTE 3.
6BW4	6.3	EV-0109-7	0.0	75	P3	G	----	PLATE NO. 2. NOTE 3.
6BX6	6.3	EV-2781-9	0.5	--	P4	C	4500	
6BX7	6.3	HY-4506-2	7.0	--	P4	C	4800	TRIODE NO. 1.
6BX7	6.3	HY-1203-5	7.0	--	P4	C	4800	TRIODE NO. 2.
6BX8	6.3	EV-7608-9	1.0	--	P4	C	3400	TRIODE NO. 1. PLATE VOLTS = LOW.
6BX8	6.3	EV-2103-9	1.0	--	P4	C	3400	TRIODE NO. 2. PLATE VOLTS = LOW.
6BY5	6.3	HS-0508-0	0.0	88	P3	G	----	PLATE NO. 1. NOTE 3.
6BY5	6.3	HS-0401-0	0.0	88	P3	G	----	PLATE NO. 2. NOTE 3.
6BZ8	6.3	EV-7608-9	2.2	--	P4	C	2500	TRIODE NO. 1.
6BZ8	6.3	EV-2103-9	2.2	--	P4	C	2500	TRIODE NO. 2.
6C5	6.3	HS-5308-0	4.2	--	P4	E	1260	
6C6	6.3	GR-0235-4	3.3	--	P4	E	770	CAP = G.
6C7	6.3	HR-0206-0	6.9	--	P4	E	780	TRIODE SECTION. CAP = G.
6C7	6.3	HR-0506-0	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
6C7	6.3	HR-0406-0	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
6C8	6.3	HS-5608-0	2.1	--	P4	D	1000	TRIODE NO. 1.
6C8	6.3	HS-0304-0	2.1	--	P4	D	1000	TRIODE NO. 2. CAP = G.
6CF6	6.3	ET-1562-7	1.0	--	P4	C	3900	
6CH7	6.3	EV-7608-0	2.2	--	P4	C	4300	TRIODE NO. 1.
6CH7	6.3	EV-2103-0	2.2	--	P4	C	4300	TRIODE NO. 2.
6CH8	6.3	EV-7236-0	0.8	--	P4	C	3900	PENTODE SECTION. DISREGARD NEON FLASH IN SHORT TESTING.
6CH8	6.3	EV-8901-0	4.6	--	P4	D	2100	TRIODE SECTION.
6CJ6	6.3	EV-2073-1	16.0	--	P4	D	2900	CAP = P.

TUBE TYPE	FIL.	SELECTORS	BIAS VOLTS	SHUNT	PRESS	RANGE	MIN. MUT.COND.	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
6CK4	6.3	HS-1508-0	16.0	--	P4	C	3500	
6CK6	6.3	EV-2713-6	0.5	--	P4	C	6300	
6CM8	6.3	EV-2673-0	1.0	--	P4	C	3900	PENTODE SECTION.
6CM8	6.3	EV-9108-0	1.1	--	P4	D	1260	TRIODE SECTION.
6CR6	6.3	ET-7561-2	2.8	--	P4	D	1225	PENTODE SECTION.
6CR6	6.3	ET-0201-0	0.0	--	P1	D	----	DIODE SECTION. NOTE 3.
6CR8	6.3	EV-2673-8	1.0	--	P4	D	3000	PENTODE SECTION.
6CR8	6.3	EV-9108-0	2.8	--	P4	D	2500	TRIODE SECTION.
6CU6	6.3	HS-5048-0	12.0	--	P4	C	3500	CAP = P.
6D4	6.3	ET-1705-0	--	87	P5	G	----	STRIKES AT ABOUT 21 V. NOTES 2 & 3
6D5	6.3	HS-5308-0	19.0	--	P4	D	1260	
6D6	6.3	GR-0235-4	3.3	--	P4	E	1000	CAP = G.
6D7	6.3	HR-0236-4	4.0	--	P4	E	770	CAP = G.
6D8	6.3	HS-0348-5	0.0	--	--	E	820	AMPL. SECTION. CAP = G. HOLD DOWN P1 & PRESS P4.
6D8	6.3	HS-5648-3	0.5	--	P4	F	190	OSC. SECTION.
6DA6	6.3	EV-2783-9	2.2	--	P4	D	1900	
6DA7	6.3	EV-7608-0	3.4	--	P4	D	1650	TRIODE NO. 1.
6DA7	6.3	EV-3109-0	15.0	--	P4	C	3700	TRIODE NO. 2.
6DB6	6.3	ET-1562-7	2.0	--	P4	D	1300	GRID NO. 1.
6DB6	6.3	ET-7562-1	3.2	--	--	D	630	GRID NO.3. HOLD DOWN P1 & PRESS P4
6DN6	6.3	HS-5083-0	0.0	--	P4	C	7000	CAP = P. PLATE VOLTS = LOW.
6DW5	6.3	EV-3917-0	12.0	--	P4	C	3500	
6DX4	6.3	ET-2105-0	3.6	--	P4	C	5350	
6E5	6.3	GR-5403-0	0.0	--	P4	G	----	EYE OPEN. SHORT ON B.
6E5	6.3	GR-5423-0	0.0	--	P4	G	----	EYE CLOSED. SHORT ON B.
6E6	6.3	HR-5604-0	13.5	--	P4	E	880	TRIODE NO. 1.
6E6	6.3	HR-3204-0	13.5	--	P4	E	880	TRIODE NO. 2.
6E7	6.3	HR-0236-4	4.0	--	P4	E	950	CAP = G.
6F4	6.3	GR-2307-0	2.2	--	P4	C	3800	PLATE VOLTS = LOW.
MODEL 539C# 6F4	6.3	HS-1306-0	2.2	--	P4	C	3800	PLATE VOLTS = LOW. USE ADAPTER SA-7, 1050-9.
6F5	6.3	HS-0408-1	0.9	--	P4	D	950	CAP = G.
6F6	6.3	HS-5348-1	1.7	--	P4	D	1640	
6F7	6.3	HR-0236-5	5.0	--	P4	E	700	PENTODE SECTION. CAP = G.
6F7	6.3	HR-5406-3	5.0	--	P4	E	315	TRIODE SECTION.
6F8	6.3	HS-5608-0	4.8	--	P4	E	1260	TRIODE NO. 1.
6F8	6.3	HS-0304-0	4.8	--	P4	E	1260	TRIODE NO. 2. CAP = G.
6FH6	6.3	HS-5048-0	0.0	--	P4	C	3100	CAP = P. PLATE VOLTS = LOW.
6FR7	6.3	EV-7608-0	1.6	--	P4	D	1000	TRIODE NO. 1.
6FR7	6.3	EV-3109-0	17.0	--	P4	C	6000	TRIODE NO. 2.
6FW8	6.3	EV-7608-0	3.0	--	P4	C	5400	TRIODE NO. 1.
6FW8	6.3	EV-2103-0	3.0	--	P4	C	5400	TRIODE NO. 2.
6G5	6.3	GR-5403-0	0.0	--	P4	G	----	EYE OPEN. SHORT ON B.
6G5	6.3	GR-5423-0	0.0	--	P4	G	----	EYE CLOSED. SHORT ON B.
6G6	6.3	HS-5348-0	5.6	--	P4	C	1325	
6GC6	6.3	HS-5083-0	15.0	--	P4	C	3600	CAP = P.
6GD7	6.3	EV-9678-0	0.6	--	P4	C	5250	PENTODE SECTION.
6GD7	6.3	EV-1203-0	1.4	--	P4	C	6250	TRIODE SECTION.
6GS8	6.3	EV-7821-9	0.0	--	--	D	630	PENTODE NO. 1. HOLD DOWN P1 & PRESS P4.
6GS8	6.3	EV-7321-6	0.0	--	--	D	630	PENTODE NO. 2. HOLD DOWN P1 & PRESS P4.
6GW5	6.3	ET-2105-0	1.2	--	P4	B	9400	
6H4	6.3	HS-0408-0	0.0	0	P1	G	----	NOTE 3.
6H5	6.3	GR-5403-0	0.0	--	P4	G	----	EYE OPEN. SHORT ON B.
6H5	6.3	GR-5423-0	0.0	--	P4	G	----	EYE CLOSED. SHORT ON B.
6H6	6.3	HS-0508-0	0.0	0	P1	G	----	DIODE NO. 1. NOTE 3.
6H6	6.3	HS-0304-0	0.0	0	P1	G	----	DIODE NO. 2. NOTE 3.
6J5	6.3	HS-5308-0	3.7	--	P4	D	1640	
6J7	6.3	HS-0348-5	4.0	--	P4	E	770	CAP = G.
6J8	6.3	HS-5348-6	2.5	--	P4	D	630	HEPTODE SECTION. CAP = G.

SEE NEXT PAGE FOR CONTINUATION

TUBE TYPE	FIL.	SELECTORS	BIAS VOLTS	SHUNT	PRESS	RANGE	MIN. MUT.COND.	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
6J8	6.3	HS-5608-4	3.0	--	P4	D	1000	TRIODE SECTION.
6JA8	6.3	EV-7986-0	1.0	--	P4	C	5700	TETRODE SECTION.
6JA8	6.3	EV-2301-0	1.6	--	P4	D	2200	TRIODE SECTION.
6K4	6.3	DU-2105-0	1.1	--	P4	C	3500	PLATE VOLTS = LOW.
6K5	6.3	HS-0308-0	2.0	--	P4	D	880	CAP = G.
6K7	6.3	HS-0348-5	2.8	--	P4	E	910	CAP = G.
6K8	6.3	HS-5348-6	1.1	--	P4	D	630	HEXODE SECTION. CAP = G.
6K8	6.3	HS-5608-4	2.0	--	P4	D	1900	TRIODE SECTION.
6KS8	6.3	EV-7986-0	2.8	--	P4	C	4000	PENTODE SECTION.
6KS8	6.3	EV-2301-0	1.2	--	P4	D	2500	TRIODE SECTION.
6L4	6.3	GR-2307-0	1.4	--	P4	C	4000	PLATE VOLTS = LOW.
MODEL 539C#								
6L4	6.3	HS-1306-0	1.4	--	P4	C	4000	PLATE VOLTS = LOW. USE ADAPTER SA-7, 1050-9.
6L5	6.3	HS-5308-0	6.0	--	P4	E	950	
6L7	6.3	HS-0348-5	5.0	--	P4	E	410	CAP GRID. CAP = G.
6L7	6.3	HS-5348-1	5.0	--	P4	E	410	PIN GRID.
6N4	6.3	ET-1502-0	1.7	--	P4	C	3800	
6N5	6.3	GR-5403-0	0.0	100	P4	G	----	EYE OPEN. SHORT ON B.
6N5	6.3	GR-5423-0	0.0	100	P4	G	----	EYE CLOSED. SHORT ON B.
6N6	6.3	HS-5348-0	0.0	--	P4	E	950	
6N7	6.3	HS-5608-3	3.0	--	P4	D	950	TRIODE NO. 1.
6N7	6.3	HS-4308-6	3.0	--	P4	D	950	TRIODE NO. 2.
6N8	6.3	EV-2613-9	0.9	--	P4	E	1400	PENTODE SECTION.
6N8	6.3	EV-2713-9	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
6N8	6.3	EV-2813-9	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
6P5	6.3	HS-5308-0	6.2	--	P4	E	910	
6P7	6.3	CT-0458-6	5.0	--	P4	E	700	PENTODE SECTION. CAP = G.
6P7	6.3	CT-7608-4	5.0	--	P4	E	315	TRIODE SECTION.
6Q4	6.3	EV-1903-0	0.5	--	P4	B	7600	
6Q5	6.3	HS-5308-0	--	89	P5	G	----	STRIKES AT ABOUT 16 V. NOTES 2 & 3
6Q6	6.3	HS-0308-0	2.3	--	P4	E	630	TRIODE SECTION. CAP = G.
6Q6	6.3	HS-0508-0	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
6Q6	6.3	HS-0408-0	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
6Q7	6.3	HS-0308-1	2.3	--	P4	E	500	TRIODE SECTION. CAP = G.
6Q7	6.3	HS-0508-3	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
6Q7	6.3	HS-0408-3	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
6R7	6.3	HS-0308-1	4.0	--	P4	E	1200	TRIODE SECTION. CAP = G.
6R7	6.3	HS-0508-3	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
6R7	6.3	HS-0408-3	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
6R8	6.3	EV-8907-2	4.8	--	P4	E	1200	TRIODE SECTION.
6R8	6.3	EV-0107-8	0.0	0	P1	G	----	DIODE NO. 1. NOTE 3.
6R8	6.3	EV-0607-8	0.0	0	P1	G	----	DIODE NO. 2. NOTE 3.
6R8	6.3	EV-0203-9	0.0	0	P1	G	----	DIODE NO. 3. NOTE 3.
6S7	6.3	HS-0348-5	4.8	--	P4	E	1100	CAP = G.
6S8	6.3	HY-0602-0	0.8	--	P4	E	570	TRIODE SECTION. CAP = G.
6S8	6.3	HY-0305-0	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
6S8	6.3	HY-0402-0	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
6S8	6.3	HY-0102-0	0.0	--	P1	D	----	DIODE NO. 3. NOTE 3.
6SA7	6.3	HS-8346-5	0.0	--	--	D	760	AMPL. SECTION. HOLD DOWN P1 & PRESS P4.
6SA7	6.3	HS-5406-8	0.0	--	P4	C	2840	OSC. SECTION.
6SB7	6.3	HS-8346-5	0.0	--	--	D	1070	AMPL. SECTION. HOLD DOWN P1 & PRESS P4.
6SB7	6.3	HS-5406-8	0.0	--	P4	C	5000	OSC. SECTION.
6SC7	6.3	HY-4506-2	0.9	--	P4	D	830	TRIODE NO. 1.
6SC7	6.3	HY-3206-5	0.9	--	P4	D	830	TRIODE NO. 2.
6SD7	6.3	HS-4865-3	2.6	--	P4	D	1900	
6SF5	6.3	HY-3502-1	0.9	--	P4	D	950	
6SF7	6.3	HY-2643-1	0.9	--	P4	D	1260	PENTODE SECTION.
6SF7	6.3	HY-0543-6	0.0	--	P1	D	----	DIODE SECTION. NOTE 3.
6SG7	6.3	HS-4865-1	0.8	--	P4	C	2500	
6SH7	6.3	HS-4865-1	0.6	--	P4	C	2500	

TUBE TYPE	FIL.	SELECTORS	BIAS VOLTS	SHUNT	PRESS	RANGE	MIN. MUT.COND.	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
6SJ7	6.3	HS-4865-3	3.3	--	P4	D	1040	
6SK7	6.3	HS-4865-3	2.0	--	P4	D	1260	
6SL7	6.3	HY-4506-2	0.4	--	P4	D	1000	TRIODE NO. 1.
6SL7	6.3	HY-1203-5	0.4	--	P4	D	1000	TRIODE NO. 2.
6SQ7	6.3	HY-2603-1	1.1	--	P4	D	700	TRIODE SECTION.
6SQ7	6.3	HY-0503-6	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
6SQ7	6.3	HY-0403-6	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
6SR7	6.3	HY-2603-1	4.5	--	P4	D	1200	TRIODE SECTION.
6SR7	6.3	HY-0503-6	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
6SR7	6.3	HY-0403-6	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
6SS7	6.3	HS-4865-3	3.3	--	P4	E	1160	
6ST7	6.3	HY-2603-1	3.5	--	P4	E	1200	TRIODE SECTION.
6ST7	6.3	HY-0503-6	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
6ST7	6.3	HY-0403-6	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
6SU7	6.3	HY-4506-2	1.0	--	P4	D	1000	TRIODE NO. 1.
6SU7	6.3	HY-1203-5	1.0	--	P4	D	1000	TRIODE NO. 2.
6SV7	6.3	HY-2643-0	1.0	--	P4	D	1640	PENTODE SECTION.
6SV7	6.3	HY-2543-0	0.0	--	P1	G		DIODE SECTION. NOTE 3.
6SZ7	6.3	HY-2603-1	1.5	--	P4	D	760	TRIODE SECTION.
6SZ7	6.3	HY-0503-1	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
6SZ7	6.3	HY-0403-1	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
6T5	6.3	GR-5403-0	0.0	--	P4	G	----	EYE OPEN. SHORT ON B.
6T5	6.3	GR-5423-0	0.0	--	P4	G	----	EYE CLOSED. SHORT ON B.
6T7	6.3	HS-0308-0	2.3	--	P4	E	630	TRIODE SECTION. CAP = G.
6T7	6.3	HS-0508-0	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
6T7	6.3	HS-0408-0	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
6U3	6.3	EV-0903-0	0.0	91	P3	G	----	NOTE 3.
6U4	6.3	HY-0503-0	0.0	90	P3	G	----	NOTE 3.
6U5	6.3	GR-5403-0	0.0	--	P4	G	----	EYE OPEN. SHORT ON B.
6U5	6.3	GR-5423-0	0.0	--	P4	G	----	EYE CLOSED. SHORT ON B.
6U6	6.3	HS-5348-0	3.7	--	--	C	3900	HOLD DOWN P1 & PRESS P4.
6U7	6.3	HS-0348-5	3.3	--	P4	D	1000	CAP = G.
6V4	6.3	EV-0703-1	0.0	80	P3	G	----	PLATE NO. 1. NOTE 3.
6V4	6.3	EV-0103-7	0.0	80	P3	G	----	PLATE NO. 2. NOTE 3.
6V7	6.3	HS-0308-0	11.8	--	P4	E	610	TRIODE SECTION. CAP = G.
6V7	6.3	HS-0508-0	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
6V7	6.3	HS-0408-0	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
6V8	6.3	EV-6103-8	2.2	--	P4	D	760	TRIODE SECTION.
6V8	6.3	EV-0903-2	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
6V8	6.3	EV-0708-6	0.0	0	P1	G	----	DIODE NO. 2. NOTE 3.
6V8	6.3	EV-0203-8	0.0	0	P1	G	----	DIODE NO. 3. NOTE 3.
6W5	6.3	HS-0508-0	0.0	85	P3	G	----	PLATE NO. 1. NOTE 3.
6W5	6.3	HS-0308-0	0.0	85	P3	G	----	PLATE NO. 2. NOTE 3.
6W7	6.3	HS-0348-5	4.2	--	P4	D	775	CAP = G.
6Y5	6.3	GR-0504-0	0.0	91	P3	G	----	PLATE NO. 1. NOTE 3.
6Y5	6.3	GR-0304-0	0.0	91	P3	G	----	PLATE NO. 2. NOTE 3.
6Y6	6.3	HS-5348-0	6.5	--	--	C	3150	HOLD DOWN P1 & PRESS P4.
6Y7	6.3	HS-5608-3	1.6	--	P4	D	630	TRIODE NO. 1.
6Y7	6.3	HS-4308-6	1.6	--	P4	D	630	TRIODE NO. 2.
6Z7	6.3	HS-5608-0	0.9	--	P4	E	760	TRIODE NO. 1.
6Z7	6.3	HS-4308-0	0.9	--	P4	E	760	TRIODE NO. 2.
6ZY5	6.3	HS-0508-0	0.0	83	P3	G	----	PLATE NO. 1. NOTE 3.
6ZY5	6.3	HS-0308-0	0.0	83	P3	G	----	PLATE NO. 2. NOTE 3.
7A4	6.3	JR-6207-0	3.7	--	P4	D	1640	
7A5	6.3	JR-6237-0	8.7	--	P4	C	3800	
7A6	6.3	JR-0607-5	0.0	--	P1	E	----	DIODE NO. 1. NOTE 3.
7A6	6.3	JR-0302-5	0.0	--	P1	E	----	DIODE NO. 2. NOTE 3.
7A7	6.3	JR-6237-4	3.0	--	P4	D	1260	
7A8	6.3	JR-6257-4	0.0	--	--	E	630	AMPL. SECTION. HOLD DOWN P1 & PRESS P4.
7A8	6.3	JR-4357-6	3.0	--	--	E	315	OSC. SECTION. HOLD DOWN P1 & PRESS P4.
7AB7	6.3	HS-5314-0	1.5	--	P4	D	1150	

TUBE TYPE	FIL.	SELECTORS	BIAS VOLTS	SHUNT	PRESS	RANGE	MIN. MUT.COND.	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
7AD7	6.3	JR-6237-4	0.5	--	P4	C	5350	
7AF7	6.3	JR-5607-0	4.2	--	P4	D	1640	TRIODE NO. 1.
7AF7	6.3	JR-4302-0	4.2	--	P4	D	1640	TRIODE NO. 2.
7AG7	6.3	JR-6237-4	0.9	--	P4	D	1900	
7AH7	6.3	JR-6237-4	0.9	--	P4	D	2100	
7AJ7	6.3	JR-6237-4	1.5	--	P4	D	1430	
7AK7	6.3	JR-6237-4	0.1	--	P4	C	2500	
7B4	6.3	JR-6207-0	0.9	--	P4	D	950	
7B5	6.3	JR-6237-0	9.0	--	P4	E	1000	
7B6	6.3	JR-3207-0	1.3	--	P4	D	700	TRIODE SECTION.
7B6	6.3	JR-0607-2	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
7B6	6.3	JR-0507-2	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
7B7	6.3	JR-6237-4	4.8	--	P4	E	1070	
7B8	6.3	JR-6257-4	0.0	--	--	E	820	AMPL. SECTION. HOLD DOWN P1 & PRESS P4.
7B8	6.3	JR-4357-6	0.0	--	--	E	630	OSC. SECTION. HOLD DOWN P1 & PRESS P4.
7C4	6.3	JR-0407-0	0.0	--	P1	E	----	DIODE. NOTE 3.
7C5	6.3	JR-6237-0	5.0	--	P4	C	2600	
7C6	6.3	JR-3207-0	0.4	--	P4	D	570	TRIODE SECTION.
7C6	6.3	JR-0607-2	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
7C6	6.3	JR-0507-2	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
7C7	6.3	JR-6237-4	2.4	--	P4	D	820	
7E5	6.3	JS-1304-0	2.4	--	P4	D	1900	
7E6	6.3	JR-3207-0	4.0	--	P4	D	1200	TRIODE SECTION.
7E6	6.3	JR-0607-2	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
7E6	6.3	JR-0507-2	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
7E7	6.3	JR-6257-0	3.5	--	P4	D	820	PENTODE SECTION.
7E7	6.3	JR-0407-2	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
7E7	6.3	JR-0307-2	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
7F7	6.3	JR-5607-3	0.9	--	P4	E	820	TRIODE NO. 1.
7F7	6.3	JR-4302-6	0.9	--	P4	E	820	TRIODE NO. 2.
7F8	6.3	HS-8605-0	1.1	--	P4	C	3150	TRIODE NO. 1.
7F8	6.3	HS-1304-0	1.1	--	P4	C	3150	TRIODE NO. 2.
7G7	6.3	JR-6237-4	1.1	--	P4	D	2840	
7G8	6.3	JR-5736-2	0.4	--	P4	E	1320	TETRODE NO. 1.
7G8	6.3	JR-4236-7	0.4	--	P4	E	1320	TETRODE NO. 2.
7H7	6.3	JR-6237-4	1.5	--	P4	C	2400	
7J7	6.3	JR-6257-4	1.4	--	P4	D	500	HEPTODE SECTION.
7J7	6.3	JR-4307-5	3.5	--	P4	D	630	TRIODE SECTION.
7K7	6.3	JR-4302-0	0.9	--	P4	D	1000	TRIODE SECTION.
7K7	6.3	JR-0507-0	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
7K7	6.3	JR-0607-0	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
7L7	6.3	JR-6237-4	0.6	--	P4	D	1900	
7N7	6.3	JR-5607-3	4.2	--	P4	D	1640	TRIODE NO. 1.
7N7	6.3	JR-4302-6	4.2	--	P4	D	1640	TRIODE NO. 2.
7Q7	6.3	JR-6237-4	0.0	--	--	D	630	AMPL. SECTION. HOLD DOWN P1 & PRESS P4.
7Q7	6.3	JR-4307-6	0.0	--	P4	C	3460	OSC. SECTION.
7R7	6.3	JR-6257-0	1.5	--	P4	D	1900	PENTODE SECTION.
7R7	6.3	JR-0407-2	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
7R7	6.3	JR-0307-2	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
7S7	6.3	JR-6257-4	3.0	--	P4	D	950	HEPTODE SECTION.
7S7	6.3	JR-4307-5	2.0	--	P4	D	950	TRIODE SECTION.
7T7	6.3	JR-6237-4	2.1	--	P4	D	1900	
7V7	6.3	JR-6237-4	1.0	--	P4	C	2500	
7W7	6.3	JR-6237-5	1.0	--	P4	C	2500	
7X6	6.3	JR-0607-0	0.0	90	P3	G	----	PLATE NO. 1. NOTE 3.
7X6	6.3	JR-0302-0	0.0	90	P3	G	----	PLATE NO. 2. NOTE 3.
7X7	6.3	JR-3204-0	1.1	--	P4	D	630	TRIODE SECTION.
7X7	6.3	JR-0504-0	0.0	0	P1	G	----	DIODE NO. 1. NOTE 3.
7X7	6.3	JR-0607-0	0.0	0	P1	G	----	DIODE NO. 2. NOTE 3.
7Y4	6.3	JR-0607-0	0.0	85	P3	G	----	PLATE NO. 1. NOTE 3.

SEE NEXT PAGE FOR CONTINUATION

TUBE TYPE	FIL.	SELECTORS	BIAS VOLTS	SHUNT	PRESS	RANGE	MIN. MUT.COND.	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
7Y4	6.3	JR-0307-0	0.0	85	P3	G	----	PLATE NO. 2. NOTE 3.
7Z4	6.3	JR-0607-0	0.0	78	P3	G	----	PLATE NO. 1. NOTE 3.
7Z4	6.3	JR-0307-0	0.0	78	P3	G	----	PLATE NO. 2. NOTE 3.
8CY7	7.5	EV-7608-0	1.5	--	P4	D	800	TRIODE NO. 1.
8CY7	7.5	EV-2109-0	20.0	--	P4	C	3400	TRIODE NO. 2.
8HA6	7.5	EV-2761-3	0.8	--	P4	B	8200	
8HG8	7.5	EV-2893-0	0.6	--	P4	C	5400	PENTODE SECTION.
8HG8	7.5	EV-6703-0	5.4	--	P4	D	3000	TRIODE SECTION.
8JE8	7.5	EV-7986-0	1.2	--	P4	C	5300	PENTODE SECTION.
8JE8	7.5	EV-2301-0	2.4	--	P4	E	1550	TRIODE SECTION.
8JK8	7.5	EV-7608-9	2.8	--	P4	E	1450	TRIODE NO. 1.
8JK8	7.5	EV-2103-9	1.2	--	P4	C	7200	TRIODE NO. 2.
8JT8	7.5	EV-7986-0	1.6	--	P4	C	5700	PENTODE SECTION. USE 'MIN. & SUB-MIN.' SHORTS POSITION.
8JT8	7.5	EV-2301-0	2.6	--	P4	E	950	TRIODE SECTION.
8JU8	7.5	EV-0809-0	0.0	0	P1	G	----	DIODE NO. 1. NOTE 3.
8JU8	7.5	EV-0708-0	0.0	0	P1	G	----	DIODE NO. 2. NOTE 3.
8JU8	7.5	EV-0203-0	0.0	0	P1	G	----	DIODE NO. 3. NOTE 3.
8JU8	7.5	EV-0102-0	0.0	0	P1	G	----	DIODE NO. 4. NOTE 3.
8KS8	7.5	EV-7986-0	2.8	--	P4	C	4000	PENTODE SECTION.
8KS8	7.5	EV-2301-0	1.2	--	P4	D	2500	TRIODE SECTION.
8LE8	7.5	EV-9683-7	2.0	--	P4	E	800	PENTODE NO. 1.
8LE8	7.5	EV-9183-2	2.0	--	P4	E	800	PENTODE NO. 2.
9BR7	10.0	EV-2103-0	1.6	--	P4	D	2500	TRIODE SECTION.
9BR7	10.0	EV-0708-0	0.0	0	P1	G	----	DIODE NO. 1. NOTE 3.
9BR7	10.0	EV-0608-0	0.0	0	P1	G	----	DIODE NO. 2. NOTE 3.
9CL8	10.0	EV-9678-0	1.0	--	P4	D	2500	TETRODE SECTION.
9CL8	10.0	EV-1203-0	0.7	--	P4	C	5000	TRIODE SECTION.
9DZ8	10.0	EV-3672-0	6.8	--	P4	C	3400	PENTODE SECTION.
9DZ8	10.0	EV-1908-0	2.6	--	P4	E	450	TRIODE SECTION.
9U8	10.0	EV-2637-0	0.8	--	P4	D	2400	PENTODE SECTION.
9U8	10.0	EV-9108-0	1.0	--	P4	C	5350	TRIODE SECTION.
9X8	10.0	EV-7986-1	1.2	--	P4	C	2900	PENTODE SECTION.
9X8	10.0	EV-2306-1	2.0	--	P4	C	3650	TRIODE SECTION.
10	7.5	ER-3200-0	11.8	--	P4	E	790	NOTE 6.
10C8	10.0	EV-8679-0	1.0	--	P4	C	4100	PENTODE SECTION.
10C8	10.0	EV-2103-0	1.4	--	P4	D	2800	TRIODE SECTION.
10DA7	10.0	EV-7608-0	3.4	--	P4	D	1650	TRIODE NO. 1.
10DA7	10.0	EV-3109-0	15.0	--	P4	C	3700	TRIODE NO. 2.
10EB8	10.0	EV-7986-0	0.8	--	P4	C	5000	PENTODE SECTION.
10EB8	10.0	EV-2301-0	0.6	--	P4	E	1400	TRIODE SECTION.
10EW7	10.0	EV-7608-0	5.4	--	P4	E	1200	TRIODE NO. 1.
10EW7	10.0	EV-2109-0	17.0	--	P4	C	5000	TRIODE NO. 2.
10FD7	10.0	EV-7608-0	0.8	--	P4	E	1000	TRIODE NO. 1.
10FD7	10.0	EV-2109-0	3.4	--	P4	C	4700	TRIODE NO. 2.
10FR7	10.0	EV-7608-0	1.6	--	P4	D	1000	TRIODE NO. 1.
10FR7	10.0	EV-3109-0	17.0	--	P4	C	6000	TRIODE NO. 2.
10HA6	10.0	EV-2761-3	0.8	--	P4	B	8200	
11C5	10.0	ET-2761-0	1.5	--	--	C	3650	HOLD DOWN P1 & PRESS P4.
12A	5.0	ER-3200-0	14.0	--	P4	E	1040	NOTE 6.
12A4	12.6	EV-2901-0	4.8	--	P4	C	4900	
12A5	12.6	HR-4235-0	18.0	--	P4	D	1130	
12A6	12.6	HS-5348-1	6.0	--	P4	D	1900	
12A7	12.6	HR-0236-5	12.2	--	P4	E	610	PENTODE SECTION. CAP = G.
12A7	12.6	HR-0504-2	0.0	88	P3	G	----	RECT. SECTION. NOTE 3.
12A8	12.6	HS-0348-5	1.0	--	P4	D	1000	PENTODE SECTION. CAP = G. PLATE VOLTS = LOW.
12A8	12.6	HS-5648-3	4.0	--	P4	F	280	OSC. SECTION.
12AB5	12.6	EV-3917-0	2.2	--	P4	D	2600	
12AC6	12.6	ET-2657-1	1.0	--	P1	D	----	OK ABOVE 1000 ON 6000 SCALE. MAKE NO GAS TEST. NOTE 3.
12AD6	12.6	ET-7652-1	5.0	--	P1	D	----	MAKE NO GAS TEST. NOTE 3.
12AD7	12.6	EV-7608-0	1.3	--	P4	D	875	TRIODE NO. 1.

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TUBE TYPE	FIL.	SELECTORS	BIAS VOLTS	SHUNT	PRESS	RANGE	MIN. MUT.COND.	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
12AD7	12.6	EV-2103-0	1.3	--	P4	D	875	TRIODE NO. 2.
12AE6	12.6	ET-0702-1	0.0	--	P1	D	----	TRIODE SECTION. OK ABOVE 800 ON 6000 SCALE. MAKE NO GAS TEST. NOTE 3.
12AE6	12.6	ET-0602-0	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
12AE6	12.6	ET-0502-0	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
12AE7	12.6	EV-0608-7	0.0	--	P1	E	----	TRIODE NO. 1. MAKE NO GAS TEST. NOTE 3.
12AE7	12.6	EV-0103-2	0.0	0	P1	G	----	TRIODE NO. 2. MAKE NO GAS TEST. NOTE 3.
12AF6	12.6	ET-1567-2	4.4	--	P4	D	725	PLATE VOLTS = LOW.
12AG6	12.6	ET-7652-1	2.0	--	P1	C	----	OK ABOVE DIODES OK. MAKE NO GAS TEST. NOTE 3.
12AH7	12.6	HY-5604-3	4.0	--	P4	D	1500	TRIODE NO. 1.
12AH7	12.6	HY-1302-6	4.0	--	P4	D	1500	TRIODE NO. 2.
12AJ6	12.6	ET-0702-1	0.0	--	P1	D	----	TRIODE SECTION. OK ABOVE 500 ON 6000 SCALE. MAKE NO GAS TEST. NOTE 3.
12AJ6	12.6	ET-0602-0	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
12AJ6	12.6	ET-0502-0	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
12AL8	12.6	EV-0367-2	0.0	15	P1	G	----	TETRODE SECTION. MAKE NO GAS TEST. NOTE 3.
12AL8	12.6	EV-0109-8	0.0	--	P1	D	----	TRIODE SECTION. OK ABOVE 600 ON 3000 SCALE. MAKE NO GAS TEST. NOTE 3.
12AS5	12.6	ET-2761-0	10.5	--	P4	C	3530	
12AU8	12.6	EV-7986-0	1.0	--	P4	C	4400	PENTODE SECTION.
12AU8	12.6	EV-2301-0	1.5	--	P4	C	3100	TRIODE SECTION.
12AV7	12.6	EV-7608-2	1.2	--	P4	C	5350	TRIODE NO. 1.
12AV7	12.6	EV-2103-7	1.2	--	P4	C	5350	TRIODE NO. 2.
12AW6	12.6	ET-1562-7	1.0	--	P4	C	3000	
12AX4	12.6	HY-0503-0	0.0	89	P3	G	----	NOTE 3.
12B7	12.6	JR-6237-4	3.0	--	P4	D	1260	
12B8	12.6	HS-0341-0	4.3	--	P4	D	1140	PENTODE SECTION. CAP = G.
12B8	12.6	HS-8506-0	0.8	--	P4	D	1260	TRIODE SECTION.
12BH7	12.6	EV-7608-2	5.2	--	P4	D	1950	TRIODE NO. 1.
12BH7	12.6	EV-2103-7	5.2	--	P4	D	1950	TRIODE NO. 2.
12BK5	12.6	EV-3186-0	0.0	--	P4	C	4700	
12BK6	12.6	ET-1702-5	0.8	--	P4	D	790	TRIODE SECTION.
12BK6	12.6	ET-0602-5	0.0	--	P1	C	----	DIODE NO. 1. NOTE 3.
12BK6	12.6	ET-0502-7	0.0	--	P1	C	----	DIODE NO. 2. NOTE 3.
12BL6	12.6	ET-2657-1	3.0	--	P1	C	----	MAKE NO GAS TEST. NOTE 3.
12BR7	12.6	EV-2103-0	1.6	--	P4	D	2500	TRIODE SECTION.
12BR7	12.6	EV-0708-0	0.0	0	P1	G	----	DIODE NO. 1. NOTE 3.
12BR7	12.6	EV-0608-0	0.0	0	P1	G	----	DIODE NO. 2. NOTE 3.
12BT6	12.6	ET-1702-0	2.1	--	P4	D	820	TRIODE SECTION.
12BT6	12.6	ET-1602-0	0.0	--	P1	C	----	DIODE NO. 1. NOTE 3.
12BT6	12.6	ET-1502-0	0.0	--	P1	C	----	DIODE NO. 2. NOTE 3.
12BU6	12.6	ET-1702-0	6.0	--	P4	E	950	TRIODE SECTION.
12BU6	12.6	ET-1602-0	0.0	--	P1	C	----	DIODE NO. 1. NOTE 3.
12BU6	12.6	ET-1502-0	0.0	--	P1	C	----	DIODE NO. 2. NOTE 3.
12BV7	12.6	EV-2781-3	1.6	--	P4	C	5650	
12BW4	12.6	EV-0709-1	0.0	75	P3	G	----	PLATE NO. 1. NOTE 3.
12BW4	12.6	EV-0109-7	0.0	75	P3	G	----	PLATE NO. 2. NOTE 3.
12BZ7	12.6	EV-7608-0	1.2	--	P4	D	2000	TRIODE NO. 1.
12BZ7	12.6	EV-2103-0	1.2	--	P4	D	2000	TRIODE NO. 2.
12C8	12.6	HS-0368-1	4.0	--	P4	D	725	PENTODE SECTION. CAP = G.
12C8	12.6	HS-0508-3	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
12C8	12.6	HS-0408-3	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
12CM6	12.6	EV-3917-0	3.3	--	P4	D	2600	
12CN5	12.6	ET-0671-2	0.0	--	P1	C	----	MAKE NO GAS TEST. NOTE 3.
12CT8	12.6	EV-8679-0	1.0	--	P4	C	4400	PENTODE SECTION.
12CT8	12.6	EV-2103-0	1.5	--	P4	C	3100	TRIODE SECTION.
12CX6	12.6	ET-2657-1	0.0	--	P1	C	----	MAKE NO GAS TEST. NOTE 3.

TUBE TYPE	FIL.	SELECTORS	BIAS VOLTS	SHUNT	PRESS	RANGE	MIN. MUT.COND.	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
12DE8	12.6	EV-7869-1	0.0	--	P1	D	----	PENTODE SECTION. MAKE NO GAS TEST. NOTE 3.
12DE8	12.6	EV-0302-0	0.0	0	P1	G	----	DIODE SECTION. NOTE 3.
12DF5	12.6	EV-0608-0	0.0	75	P3	G	----	PLATE NO. 1. NOTE 3.
12DF5	12.6	EV-0103-0	0.0	75	P3	G	----	PLATE NO. 2. NOTE 3.
12DF7	12.6	EV-7608-0	1.3	--	P4	D	875	TRIODE NO. 1.
12DF7	12.6	EV-2103-0	1.3	--	P4	D	875	TRIODE NO. 2.
12DK6	12.6	ET-1562-7	1.0	--	P4	C	4400	
12DK7	12.6	EV-0372-1	0.0	--	P1	E	----	TETRODE SECTION. MAKE NO GAS TEST. NOTE 3.
12DK7	12.6	EV-0602-0	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
12DK7	12.6	EV-0902-0	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
12DL8	12.6	EV-0362-7	0.0	10	P1	G	----	TETRODE SECTION. MAKE NO GAS TEST. NOTE 3.
12DL8	12.6	EV-0908-0	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
12DL8	12.6	EV-0108-0	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
12DQ4	12.6	JX-0503-0	0.0	80	P3	G	----	NOTE 3.
12DQ7	12.6	EV-2781-3	1.6	--	P4	C	5000	
12DS7	12.6	EV-7368-0	0.0	18	P1	G	----	TETRODE SECTION. MAKE NO GAS TEST. NOTE 3.
12DS7	12.6	EV-0908-0	0.0	0	P1	C	----	DIODE NO. 1. NOTE 3.
12DS7	12.6	EV-0108-0	0.0	0	P1	C	----	DIODE NO. 2. NOTE 3.
12DU7	12.6	EV-0362-1	0.0	0	P1	B	----	TETRODE SECTION. OK ABOVE 4000 ON 30000 SCALE. MAKE NO GAS TEST. NOTE 3.
12DU7	12.6	EV-0902-0	0.0	0	P1	D	----	DIODE NO. 1. OK ABOVE 1000 ON 6000 SCALE. NOTE 3.
12DU7	12.6	EV-0702-0	0.0	0	P1	D	----	DIODE NO. 2. OK ABOVE 1000 ON 6000 SCALE. NOTE 3.
12DV7	12.6	EV-0608-7	0.0	0	P1	D	----	TRIODE SECTION. OK ABOVE 800 ON 6000 SCALE. MAKE NO GAS TEST. NOTE 3.
12DV7	12.6	EV-0301-0	0.0	0	P1	D	----	DIODE NO. 1. OK ABOVE 1000 ON 6000 SCALE. NOTE 3.
12DV7	12.6	EV-0201-0	0.0	0	P1	D	----	DIODE NO. 2. OK ABOVE 1000 ON 6000 SCALE. NOTE 3.
12DV8	12.6	EV-0362-7	0.0	9	P1	G	----	TETRODE SECTION. OK ABOVE 600 ON 3000 SCALE. MAKE NO GAS TEST. NOTE 3.
12DV8	12.6	EV-0908-0	0.0	0	P1	G	----	DIODE NO. 1. OK ABOVE 250 ON 3000 SCALE. NOTE 3.
12DV8	12.6	EV-0108-0	0.0	0	P1	G	----	DIODE NO. 2. OK ABOVE 250 ON 3000 SCALE. NOTE 3.
12DW5	12.6	EV-3917-0	12.0	--	P4	C	3500	
12DW8	12.6	EV-7608-0	4.0	--	P1	C	----	TRIODE NO. 1. OK ABOVE 6000 ON 15000 SCALE. MAKE NO GAS TEST. NOTE 3.
12DW8	12.6	EV-2103-0	0.0	--	P1	B	----	TRIODE NO. 2. OK ABOVE 14000 ON 30000 SCALE. MAKE NO GAS TEST. NOTE 3.
12DW8	12.6	EV-0908-0	0.0	--	P1	B	----	DIODE SECTION. OK ABOVE 9500 ON 30000 SCALE. MAKE NO GAS TEST. NOTE 3.
12DY8	12.6	EV-0362-1	0.0	--	P1	E	----	TETRODE SECTION. MAKE NO GAS TEST. NOTE 3.
12DY8	12.6	EV-0807-9	0.0	--	P1	D	----	TRIODE SECTION. OK ABOVE 1300 ON 6000 SCALE. MAKE NO GAS TEST. NOTE 3.
12DZ6	12.6	ET-2657-1	0.0	--	P1	B	----	MAKE NO GAS TEST. NOTE 3.
12DZ8	12.6	EV-3672-0	6.8	--	P4	C	3400	PENTODE SECTION.
12DZ8	12.6	EV-1908-0	2.6	--	P4	E	450	TRIODE SECTION.
12EA6	12.6	ET-2657-1	0.0	--	P1	B	----	MAKE NO GAS TEST. NOTE 3.
12EC8	12.6	EV-0768-9	0.0	--	P1	D	----	PENTODE SECTION. MAKE NO GAS TEST. NOTE 3.
12EC8	12.6	EV-0203-1	0.0	--	P1	C	----	TRIODE SECTION. OK ABOVE 5000 ON 15000 SCALE. MAKE NO GAS TEST. NOTE 3.

TUBE TYPE	FIL.	SELECTORS	BIAS VOLTS	SHUNT	PRESS	RANGE	MIN. MUT.COND.	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
12ED5	12.6	DU-2761-0	0.0	--	--	C	5300	HOLD DOWN P1 & PRESS P4.
12EG6	12.6	ET-7652-1	0.0	--	P1	B	----	MAKE NO GAS TEST. NOTE 3.
12EH5	12.6	ET-2761-0	1.2	--	P4	C	6300	
12EK6	12.6	ET-2657-1	0.0	--	P1	B	----	MAKE NO GAS TEST. NOTE 3.
12EL6	12.6	ET-0207-1	0.0	--	P1	F	----	TRIODE SECTION. OK ABOVE 250 ON 600 SCALE. MAKE NO GAS TEST. NOTE 3.
12EL6	12.6	ET-0607-0	0.0	--	P1	D	----	DIODE NO. 1. OK ABOVE 1200 ON 6000 SCALE. NOTE 3.
12EL6	12.6	ET-0507-0	0.0	--	P1	D	----	DIODE NO. 2. OK ABOVE 1200 ON 6000 SCALE. NOTE 3.
12EM6	12.6	EV-0362-1	0.0	--	P1	E	----	TETRODE SECTION. MAKE NO GAS TEST. NOTE 3.
12EM6	12.6	EV-0902-0	0.0	--	P1	D	----	DIODE SECTION. NOTE 3.
12EN6	12.6	HS-5348-0	11.0	--	P4	C	3500	
12EQ7	12.6	EV-2763-1	2.6	--	P4	E	850	PENTODE SECTION.
12EQ7	12.6	EV-0803-0	0.0	--	P1	D	----	DIODE SECTION. NOTE 3.
12EZ6	12.6	ET-2657-1	0.0	--	P1	C	----	OK ABOVE 1500 ON 3000 SCALE. MAKE NO GAS TEST. NOTE 3.
12F5	12.6	HS-0408-0	0.9	--	P4	D	950	CAP = G.
12F8	12.6	EV-9237-8	3.0	--	P1	D	----	PENTODE SECTION. OK ABOVE 1000 ON 6000 SCALE. MAKE NO GAS TEST. NOTE 3.
12F8	12.6	EV-0607-0	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
12F8	12.6	EV-0107-0	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
12FK6	12.6	ET-1702-0	0.4	--	P1	D	----	TRIODE SECTION. MAKE NO GAS TEST. NOTE 3.
12FK6	12.6	ET-0602-0	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
12FK6	12.6	ET-0502-0	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
12FM6	12.6	ET-0702-1	0.0	--	P1	D	----	TRIODE SECTION. OK ABOVE 2000 ON 6000 SCALE. MAKE NO GAS TEST. NOTE 3.
12FM6	12.6	ET-0602-0	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
12FM6	12.6	ET-0502-0	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
12FR8	12.6	EV-3670-0	2.0	21	P1	G	----	PENTODE SECTION. MAKE NO GAS TEST. NOTES 3 & 6.
12FR8	12.6	EV-1902-0	3.0	--	P1	F	----	TRIODE SECTION. MAKE NO GAS TEST. NOTE 3.
12FR8	12.6	EV-0802-0	0.0	--	P1	D	----	DIODE SECTION. SHORT ON 1 & 2. NOTE 3.
12FT6	12.6	ET-1702-0	0.0	--	P1	D	----	TRIODE SECTION. OK ABOVE 2100 ON 6000 SCALE. MAKE NO GAS TEST. NOTE 3.
12FT6	12.6	ET-0602-0	0.0	--	P1	C	----	DIODE NO. 1. MAKE NO GAS TEST. NOTE 3.
12FT6	12.6	ET-0502-0	0.0	--	P1	C	----	DIODE NO. 2. MAKE NO GAS TEST. NOTE 3.
12FV7	12.6	EV-7608-0	4.1	--	P4	C	5500	TRIODE NO. 1.
12FV7	12.6	EV-2103-0	4.1	--	P4	C	5500	TRIODE NO. 2.
12FX8	12.6	EV-9137-2	6.0	--	P1	C	----	HEPTODE SECTION. MAKE NO GAS TEST. NOTE 3.
12FX8	12.6	EV-6800-0	6.0	--	P1	E	----	TRIODE SECTION. MAKE NO GAS TEST. NOTES 3 & 6.
12G4	12.6	ET-6107-0	3.7	--	P4	D	1540	
12G8	12.6	EV-0607-8	0.0	--	P1	E	----	TRIODE NO. 1. MAKE NO GAS TEST. NOTE 3.
12G8	12.6	EV-0102-3	0.0	--	P1	C	----	TRIODE NO. 2. MAKE NO GAS TEST. NOTE 3.
12GA6	12.6	ET-7652-1	2.0	--	P1	D	----	MAKE NO GAS TEST. NOTE 3.
12H6	12.6	HS-0508-1	0.0	0	P1	G	----	DIODE NO. 1. NOTE 3.
12H6	12.6	HS-0304-1	0.0	0	P1	G	----	DIODE NO. 2. NOTE 3.
12J5	12.6	HS-5308-1	3.7	--	P4	D	1640	
12J7	12.6	HS-0348-5	4.0	--	P4	E	770	CAP = G.
12J8	12.6	EV-0362-1	0.0	--	P1	E	----	TETRODE SECTION. MAKE NO GAS TEST. NOTE 3.
12J8	12.6	EV-0907-0	0.0	0	P1	G	----	DIODE NO. 1. NOTE 3.
12J8	12.6	EV-0807-0	0.0	0	P1	G	----	DIODE NO. 2. NOTE 3.

TUBE TYPE	FIL.	SELECTORS	BIAS VOLTS	SHUNT	PRESS	RANGE	MIN. MUT.COND.	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
12K7	12.6	HS-0348-5	2.8	--	P4	E	910	CAP = G.
12K8	12.6	HS-5348-6	1.1	--	P4	D	630	HEXODE SECTION. CAP = G.
12K8	12.6	HS-5608-4	2.0	--	P4	D	1900	TRIODE SECTION.
12KL8	12.6	EV-2763-1	0.0	--	--	D	1950	PENTODE SECTION. HOLD DOWN P1 & PRESS P4.
12KL8	12.6	EV-0803-0	0.0	--	P1	D	----	DIODE SECTION. NOTE 3.
12L6	12.6	HS-5348-0	1.5	--	--	C	5650	HOLD DOWN P1 & PRESS P4.
12L8	12.6	HW-1852-3	3.0	--	P4	D	1350	PENTODE NO. 1.
12L8	12.6	HW-3452-1	3.0	--	P4	D	1350	PENTODE NO. 2.
12Q7	12.6	HS-0308-0	2.3	--	P4	E	500	TRIODE SECTION. CAP = G.
12Q7	12.6	HS-0508-3	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
12Q7	12.6	HS-0408-3	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
12R5	12.6	ET-2761-0	2.0	--	--	C	4400	HOLD DOWN P1 & PRESS P4.
12S8	12.6	HY-0602-0	0.8	--	P4	E	570	TRIODE SECTION. CAP = G.
12S8	12.6	HY-0305-0	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
12S8	12.6	HY-0402-0	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
12S8	12.6	HY-0102-0	0.0	--	P1	D	----	DIODE NO. 3. NOTE 3.
12SA7	12.6	HS-8346-5	0.0	--	--	D	760	AMPL. SECTION. HOLD DOWN P1 & PRESS P4.
12SA7	12.6	HS-5406-8	0.0	--	P4	C	2840	OSC. SECTION.
12SC7	12.6	HY-4506-2	0.9	--	P4	D	830	TRIODE NO. 1.
12SC7	12.6	HY-3206-5	0.9	--	P4	D	830	TRIODE NO. 2.
12SF5	12.6	HY-3502-0	0.9	--	P4	D	950	
12SF7	12.6	HY-2643-1	0.9	--	P4	D	1260	PENTODE SECTION.
12SF7	12.6	HY-0503-6	0.0	--	P1	D	----	DIODE SECTION. NOTE 3.
12SG7	12.6	HS-4865-1	0.8	--	P4	C	2500	
12SH7	12.6	HS-4865-1	0.6	--	P4	C	2500	
12SJ7	12.6	HS-4865-3	3.3	--	P4	D	1040	
12SK7	12.6	HS-4865-3	2.0	--	P4	D	1260	
12SL7	12.6	HY-4506-2	0.4	--	P4	D	1000	TRIODE NO. 1.
12SL7	12.6	HY-1203-5	0.4	--	P4	D	1000	TRIODE NO. 2.
12SQ7	12.6	HY-2603-1	1.1	--	P4	D	700	TRIODE SECTION.
12SQ7	12.6	HY-0503-6	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
12SQ7	12.6	HY-0403-6	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
12SR7	12.6	HY-2603-1	4.5	--	P4	D	1200	TRIODE SECTION.
12SR7	12.6	HY-0503-6	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
12SR7	12.6	HY-0403-6	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
12SW7	12.6	HY-2603-1	4.5	--	P4	D	1200	TRIODE SECTION.
12SW7	12.6	HY-0503-6	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
12SW7	12.6	HY-0403-6	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
12SX7	12.6	HY-4506-2	3.7	--	P4	D	1640	TRIODE NO. 1.
12SX7	12.6	HY-1203-5	3.7	--	P4	D	1640	TRIODE NO. 2.
12SY7	12.6	HS-8346-5	0.0	--	--	D	760	AMPL. SECTION. HOLD DOWN P1 & PRESS P4.
12SY7	12.6	HS-5406-8	0.0	--	P4	C	2840	OSC. SECTION.
12U7	12.6	EV-0608-7	0.0	--	P1	D	----	TRIODE NO. 1. OK ABOVE 900 ON 6000 SCALE. MAKE NO GAS TEST. NOTE 3.
12U7	12.6	EV-0103-2	0.0	--	P1	D	----	TRIODE NO. 2. OK ABOVE 900 ON 6000 SCALE. MAKE NO GAS TEST. NOTE 3.
12Z3	12.6	ER-0203-0	0.0	88	P3	G	----	NOTE 3.
13FR7	12.6	EV-7608-0	1.6	--	P4	D	1000	TRIODE NO. 1.
13FR7	12.6	EV-3109-0	17.0	--	P4	C	6000	TRIODE NO. 2.
14A4	12.6	JR-6207-0	3.7	--	P4	D	1640	
14A5	12.6	JR-6237-0	1.3	--	P4	D	1900	
14A7	12.6	JR-6237-4	3.0	--	P4	D	1260	
14AF7	12.6	JR-5607-0	4.2	--	P4	D	1640	TRIODE NO. 1.
14AF7	12.6	JR-4302-0	4.2	--	P4	D	1640	TRIODE NO. 2.
14B6	12.6	JR-3207-0	1.3	--	P4	D	700	TRIODE SECTION.
14B6	12.6	JR-0607-2	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
14B6	12.6	JR-0507-2	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
14B8	12.6	JR-6257-4	0.0	--	--	E	820	AMPL. SECTION. HOLD DOWN P1 & PRESS P4.
14B8	12.6	JR-4357-6	0.0	--	--	E	725	OSC. SECTION. HOLD DOWN P1 & PRESS P4.

TUBE TYPE	FIL.	SELECTORS	BIAS VOLTS	SHUNT	PRESS	RANGE	MIN. MUT.COND.	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
14C5	12.6	JR-6237-0	5.0	--	P4	C	2600	
14C7	12.6	JR-6237-4	1.1	--	P4	D	1430	
14E6	12.6	JR-3207-0	4.0	--	P4	D	1200	TRIODE SECTION.
14E6	12.6	JR-0607-2	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
14E6	12.6	JR-0507-2	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
14E7	12.6	JR-6257-0	3.5	--	P4	D	820	PENTODE SECTION.
14E7	12.6	JR-0407-2	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
14E7	12.6	JR-0307-2	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
14F7	12.6	JR-5607-3	0.9	--	P4	E	820	TRIODE NO. 1.
14F7	12.6	JR-4302-6	0.9	--	P4	E	820	TRIODE NO. 2.
14F8	12.6	HS-8605-0	1.1	--	P4	C	3150	TRIODE NO. 1.
14F8	12.6	HS-1304-0	1.1	--	P4	C	3150	TRIODE NO. 2.
14H7	12.6	JR-6237-4	1.5	--	P4	C	2400	
14J7	12.6	JR-6257-4	1.4	--	P4	D	500	HEPTODE SECTION.
14J7	12.6	JR-4307-5	3.5	--	P4	D	630	TRIODE SECTION.
14N7	12.6	JR-5607-3	4.2	--	P4	D	1640	TRIODE NO. 1.
14N7	12.6	JR-4302-6	4.2	--	P4	D	1640	TRIODE NO. 2.
14Q7	12.6	JR-6237-4	0.0	--	--	D	630	AMPL. SECTION. HOLD DOWN P1 & PRESS P4.
14Q7	12.6	JR-4307-6	0.0	--	P4	C	3460	OSC. SECTION.
14R7	12.6	JR-6257-0	1.5	--	P4	D	1900	PENTODE SECTION.
14R7	12.6	JR-0407-2	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
14R7	12.6	JR-0307-2	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
14S7	12.6	JR-6257-4	3.0	--	P4	D	950	HEPTODE SECTION.
14S7	12.6	JR-4307-5	2.0	--	P4	D	950	TRIODE SECTION.
14V7	12.6	JR-6237-4	1.0	--	P4	C	2500	
14W7	12.6	JR-6237-5	1.0	--	P4	C	2500	
14X7	12.6	JR-3204-0	1.1	--	P4	D	630	TRIODE SECTION.
14X7	12.6	JR-0504-0	0.0	0	P1	G	----	DIODE NO. 1. NOTE 3.
14X7	12.6	JR-0607-0	0.0	0	P1	G	----	DIODE NO. 2. NOTE 3.
14Y4	12.6	JR-0607-0	0.0	83	P3	G	----	PLATE NO. 1. NOTE 3.
14Y4	12.6	JR-0307-0	0.0	83	P3	G	----	PLATE NO. 2. NOTE 3.
14Z3	12.6	ER-0203-0	0.0	88	P3	G	----	NOTE 3.
15	2.0	FR-0234-0	0.0	--	--	E	440	CAP = G. HOLD DOWN P1 & PRESS P4.
15A6	12.6	EV-2713-6	1.0	--	P4	C	6300	
15EA7	12.6	JX-4506-0	3.2	--	P4	E	410	TRIODE NO. 1. SET 'POWER ADJUST' TO 115 VOLTS.
15EA7	12.6	JX-1203-0	18.0	--	P4	C	6000	TRIODE NO. 2.
15EW6	12.6	ET-1562-7	1.0	--	P4	C	7600	KEEP POWER ADJUSTED AT 112 VOLTS.
17AV5	20.0	HS-1583-0	6.0	--	P4	C	3450	KEEP POWER ADJUSTED AT 80 VOLTS.
17CA5	20.0	ET-2761-0	1.5	--	P4	C	3150	KEEP POWER ADJUSTED AT 80 VOLTS.
17DQ4	20.0	JX-0503-0	0.0	80	P3	G	----	NOTE 3.
17HC8	20.0	EV-3672-0	2.6	--	P4	D	3200	PENTODE SECTION. SET 'POWER ADJUST' AT 80 VOLTS.
17HC8	20.0	EV-1908-0	0.6	--	P4	E	1250	TRIODE SECTION.
17JK8	20.0	EV-7608-9	2.8	--	P4	E	1450	TRIODE NO. 1. SET 'POWER ADJUST' AT 80 VOLTS.
17JK8	20.0	EV-2103-9	1.2	--	P4	C	7200	TRIODE NO. 2.
17L6	20.0	HS-5348-0	1.0	--	--	C	3800	HOLD DOWN P1 & PRESS P4. KEEP POWER ADJUSTED AT 80 VOLTS.
17R5	20.0	ET-2761-0	2.0	--	--	C	3150	KEEP POWER ADJUSTED AT 80 VOLTS. HOLD DOWN P1 & PRESS P4.
18DZ8	20.0	EV-3672-0	6.8	--	P4	C	3400	PENTODE SECTION. SET CATH. ACT. SWITCH TO TEST POSITION.
18DZ8	20.0	EV-1908-0	2.6	--	P4	E	450	TRIODE SECTION. SET CATH. ACT. SWITCH TO TEST POSITION.
18HB8	20.0	EV-9768-0	6.0	--	P4	D	2700	PENTODE SECTION. SET CATH. ACT. SWITCH TO TEST POSITION.
18HB8	20.0	EV-1302-0	1.4	--	P4	D	2300	TRIODE SECTION. SET CATH. ACT. SWITCH TO TEST POSITION.
19	2.0	GR-4500-0	4.8	--	P4	E	630	TRIODE NO. 1.
19	2.0	GR-3200-0	4.8	--	P4	E	630	TRIODE NO. 2.
19BG6	20.0	HS-5083-0	4.5	--	P4	C	3800	CAP = P.
19C8	20.0	EV-8907-0	1.7	--	P4	D	790	TRIODE SECTION.

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TUBE TYPE	FIL.	SELECTORS	BIAS VOLTS	SHUNT	PRESS	RANGE	MIN. MUT.COND.	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
19C8	20.0	EV-8607-0	0.0	0	P1	G	----	DIODE NO. 1. NOTE 3.
19C8	20.0	EV-8203-0	0.0	0	P1	G	----	DIODE NO. 2. NOTE 3.
19C8	20.0	EV-8107-0	0.0	0	P1	G	----	DIODE NO. 3. NOTE 3.
19DE7	20.0	EV-7608-0	5.0	--	P4	E	1260	TRIODE NO. 1.
19DE7	20.0	EV-2109-0	19.0	--	P4	C	3800	TRIODE NO. 2.
19J6	20.0	ET-5207-6	1.8	--	P4	C	3340	TRIODE NO. 1.
19J6	20.0	ET-6107-5	1.8	--	P4	C	3340	TRIODE NO. 2.
19T8	20.0	EV-8907-6	1.3	--	P4	E	750	TRIODE SECTION.
19T8	20.0	EV-0607-1	0.0	0	P1	G	----	DIODE NO. 1. NOTE 3.
19T8	20.0	EV-0203-7	0.0	0	P1	G	----	DIODE NO. 2. NOTE 3.
19T8	20.0	EV-0107-8	0.0	0	P1	G	----	DIODE NO. 3. NOTE 3.
19V8	20.0	EV-6103-8	2.2	--	P4	D	760	TRIODE SECTION.
19V8	20.0	EV-0903-2	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
19V8	20.0	EV-0708-6	0.0	0	P1	G	----	DIODE NO. 2. NOTE 3.
19V8	20.0	EV-0203-8	0.0	0	P1	G	----	DIODE NO. 3. NOTE 3.
19X3	20.0	EV-0903-0	0.0	91	P3	G	----	NOTE 3.
19Y3	20.0	EV-0903-0	0.0	91	P3	G	----	NOTE 3.
20EQ7	20.0	EV-2763-1	2.6	--	P4	E	850	PENTODE SECTION.
20EQ7	20.0	EV-0803-0	0.0	--	P1	D	----	DIODE SECTION. NOTE 3.
21A6	20.0	EV-2083-9	13.0	--	P4	C	3800	CAP = P.
21EX6	20.0	HS-5083-0	18.0	--	P4	C	4400	CAP = P. TUBES INDICATING SHORTS# RE-TEST USING HS-5013-0.
22	3.0	ER-0230-0	3.7	--	--	E	315	CAP = G. HOLD DOWN P1 & PRESS P4.
24A	2.5	FR-0234-0	6.0	--	P4	D	630	CAP = G.
25A6	25.0	HS-5348-0	11.4	--	P4	D	1450	
25A7	25.0	HS-5348-6	13.0	--	P4	D	1130	PENTODE SECTION.
25A7	25.0	HS-0601-3	0.0	89	P3	G	----	RECT. SECTION. NOTE 3.
25AC5	25.0	HS-5308-0	0.9	--	P4	D	950	
25B5	25.0	GR-4235-0	0.0	--	P4	E	1570	
25B6	25.0	HS-5348-0	17.0	--	P4	D	2500	
25B8	25.0	HS-0341-0	3.5	--	P4	E	1260	PENTODE SECTION. CAP = G.
25B8	25.0	HS-8506-0	0.9	--	P4	E	950	TRIODE SECTION.
25C6	25.0	HS-5348-0	6.5	--	--	C	3150	HOLD DOWN P1 & PRESS P4.
25CU6	25.0	HS-5048-0	12.0	--	P4	C	3500	CAP = P.
25D8	25.0	HS-0341-0	3.0	--	P4	D	1200	PENTODE SECTION. CAP = G.
25D8	25.0	HS-5601-0	1.1	--	P4	D	700	TRIODE SECTION.
25D8	25.0	HS-5801-0	0.0	--	P1	C	----	DIODE SECTION. NOTE 3.
25DK4	25.0	ET-0507-0	0.0	90	P3	G	----	NOTE 3.
25DQ6	25.0	HS-5048-0	0.0	--	P4	C	5000	CAP = P. PLATE VOLTS = LOW.
25DT5	25.0	EV-3917-0	4.4	--	P4	C	3450	
25N6	25.0	HS-5348-0	2.5	--	P4	D	1570	
25W6	25.0	HS-5348-0	1.5	--	--	C	5650	HOLD DOWN P1 & PRESS P4.
25Y5	25.0	GR-0504-0	0.0	85	P3	G	----	PLATE NO. 1. NOTE 3.
25Y5	25.0	GR-0203-0	0.0	85	P3	G	----	PLATE NO. 2. NOTE 3.
25Z5	25.0	GR-0504-0	0.0	89	P3	G	----	PLATE NO. 1. NOTE 3.
25Z5	25.0	GR-0203-0	0.0	89	P3	G	----	PLATE NO. 2. NOTE 3.
25Z6	25.0	HS-0508-1	0.0	90	P3	G	----	PLATE NO. 1. NOTE 3.
25Z6	25.0	HS-0304-1	0.0	90	P3	G	----	PLATE NO. 2. NOTE 3.
26A6	25.0	ET-1567-2	1.2	--	P4	D	2500	
26	1.4	ER-3200-0	10.2	--	P4	E	725	NOTE 6.
26A7	25.0	HW-1852-3	2.0	--	P4	C	3450	PENTODE NO. 1. PLATE VOLTS = LOW.
26A7	25.0	HW-3452-1	2.0	--	P4	C	3450	PENTODE NO. 2. PLATE VOLTS = LOW.
26BK6	25.0	ET-1702-5	0.8	--	P4	D	790	TRIODE SECTION.
26BK6	25.0	ET-0602-5	0.0	--	P1	C	----	DIODE NO. 1. NOTE 3.
26BK6	25.0	ET-0502-7	0.0	--	P1	C	----	DIODE NO. 2. NOTE 3.
26C6	25.0	ET-1702-0	4.0	--	P4	D	1200	TRIODE SECTION.
26C6	25.0	ET-1602-0	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
26C6	25.0	ET-1502-0	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
26D6	25.0	ET-7562-1	0.0	--	--	D	940	AMPL. SECTION. HOLD DOWN P1 & PRESS P4.
26D6	25.0	ET-1602-7	2.0	--	P4	C	4500	OSC. SECTION.
26E6	25.0	HS-5348-0	10.5	--	P4	C	3150	
26Z5W	25.0	EV-0608-0	0.0	88	P3	G	----	PLATE NO. 1. NOTE 3.

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TUBE TYPE	FIL.	SELECTORS	BIAS VOLTS	SHUNT	PRESS	RANGE	MIN. MUT.COND.	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
26Z5W	25.0	EV-0103-0	0.0	88	P3	G	----	PLATE NO. 2. NOTE 3.
27	2.5	FR-3204-0	11.0	--	P4	C	630	
30	2.0	ER-3200-0	10.2	--	P4	E	570	NOTE 6.
31	2.0	ER-3200-0	11.4	--	P4	E	580	NOTE 6.
32	2.0	ER-0230-0	3.0	--	--	E	400	CAP = G. HOLD DOWN P1 & PRESS P4. NOTE 6.
32L7	35.0	HS-5348-0	10.0	--	P4	D	3000	AMPL. SECTION.
32L7	35.0	HS-0601-3	0.0	89	P3	G	----	RECT. SECTION. NOTE 3.
33	2.0	FR-3240-0	7.3	--	P4	E	900	NOTE 6.
RK33	6.3	HR-4506-0	7.5	--	P4	E	870	TRIODE NO. 1.
RK33	6.3	HR-0302-0	7.5	--	P4	E	870	TRIODE NO. 2. CAP = G.
34	2.0	ER-0230-0	2.1	--	--	E	380	CAP = G. HOLD DOWN P1 & PRESS P4. NOTE 6.
35	2.5	FR-0234-0	4.0	--	P4	E	650	CAP = G.
35A5	35.0	JR-6237-0	1.5	--	--	C	3650	HOLD DOWN P1 & PRESS P4.
35CD6	35.0	HS-5083-0	18.0	--	P4	C	4100	CAP = P.
35DZ8	35.0	EV-3672-0	6.8	--	P4	C	3400	PENTODE SECTION.
35DZ8	35.0	EV-1908-0	2.6	--	P4	E	450	TRIODE SECTION.
35Y4	BLST	JR-0247-0	--	--	--	-	----	SHORT ON 1-2-3-5 & A-C.
35Y4	35.0	JR-0207-0	0.0	91	P3	G	----	RECT. SECTION. NOTE 3.
35Z3	35.0	JR-0207-0	0.0	91	P3	G	----	NOTE 3.
35Z4	35.0	HS-0508-0	0.0	91	P3	G	----	NOTE 3.
35Z6	35.0	HS-0508-0	0.0	91	P3	G	----	PLATE NO. 1. NOTE 3.
35Z6	35.0	HS-0304-0	0.0	91	P3	G	----	PLATE NO. 2. NOTE 3.
36	6.3	FR-0234-0	4.0	--	P4	D	660	CAP = G.
37	6.3	FR-3204-0	10.6	--	P4	E	570	
38	6.3	FR-0234-0	8.7	--	P4	E	660	CAP = G.
39/44	6.3	FR-0234-0	5.0	--	P4	E	630	CAP = G.
40	5.0	ER-3200-0	3.0	--	P4	F	125	NOTE 6.
40Z5	BLST	HS-0538-0	--	--	--	-	----	SHORT ON 1-2-3-5 & A-C.
40Z5	50.0	HS-0508-0	0.0	91	P3	G	----	RECT. SECTION. NOTE 3.
41	6.3	GR-4235-0	9.0	--	P4	E	1000	
42	6.3	GR-4235-0	1.7	--	P4	D	1640	
43	25.0	GR-4235-0	14.0	--	P4	D	1450	
45	2.5	ER-3200-0	18.0	--	P4	E	1170	NOTE 6.
45Z3	50.0	HR-0204-0	0.0	90	P3	G	----	NOTE 3.
45Z5	BLST	HS-0538-0	--	--	--	-	----	SHORT ON 1-2-3-5 & A-C.
45Z5	50.0	HS-0508-0	0.0	91	P3	G	----	RECT. SECTION. NOTE 3.
46	2.5	FR-3240-0	5.6	--	P4	E	1250	NOTE 6.
47	2.5	FR-3240-0	3.5	--	P4	E	1250	NOTE 6.
48	25.0	GR-4235-0	25.0	--	P4	D	1260	
49	2.0	FR-3240-0	12.6	--	P4	E	710	NOTE 6.
50	7.5	ER-3200-0	24.0	--	P4	E	950	NOTE 6.
50A5	50.0	JR-6237-0	1.5	--	--	C	5650	HOLD DOWN P1 & PRESS P4.
50B5	50.0	ET-1562-0	1.5	--	--	C	5650	HOLD DOWN P1 & PRESS P4.
50BK5	50.0	EV-3186-0	0.0	--	P4	C	4700	
50C6	50.0	HS-5348-1	6.5	--	--	C	3150	HOLD DOWN P1 & PRESS P4.
50CA5	50.0	DU-2761-0	0.0	--	--	C	5300	HOLD DOWN P1 & PRESS P4.
50FA5	50.0	ET-2761-0	9.8	--	P4	D	2950	
50FY8	50.0	EV-3672-0	10.0	--	P4	C	3400	PENTODE SECTION.
50FY8	50.0	EV-1908-0	3.0	--	P4	E	940	TRIODE SECTION.
50L6	50.0	HS-5348-0	1.5	--	--	C	5650	HOLD DOWN P1 & PRESS P4.
50X6	50.0	JR-0607-5	0.0	89	P3	G	----	PLATE NO. 1. NOTE 3.
50X6	50.0	JR-0302-5	0.0	89	P3	G	----	PLATE NO. 2. NOTE 3.
50Y6	50.0	HS-0508-0	0.0	89	P3	G	----	PLATE NO. 1. NOTE 3.
50Y6	50.0	HS-0304-0	0.0	89	P3	G	----	PLATE NO. 2. NOTE 3.
50Y7	BLST	HS-0060-0	--	--	--	-	----	SHORT ON 1-2-3-5 & A-C.
50Y7	50.0	HS-0508-0	0.0	89	P3	G	----	PLATE NO. 1. NOTE 3.
50Y7	50.0	HS-0304-0	0.0	89	P3	G	----	PLATE NO. 2. NOTE 3.
50Z7	BLST	HS-0060-0	--	--	--	-	----	SHORT ON 1-2-3-5 & A-C.
50Z7	50.0	HS-0508-0	0.0	89	P3	G	----	PLATE NO. 1. NOTE 3.
50Z7	50.0	HS-0304-0	0.0	89	P3	G	----	PLATE NO. 2. NOTE 3.
51/51S	2.5	FR-0234-0	4.0	--	P4	E	640	CAP = G.

TUBE TYPE	FIL.	SELECTORS	BIAS VOLTS	SHUNT	PRESS	RANGE	MIN. MUT.COND.	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
52	6.3	FR-3240-0	4.2	--	P4	E	1500	NOTE 6.
53	2.5	HR-5604-2	2.3	--	P4	E	950	TRIODE NO. 1.
53	2.5	HR-3204-6	2.3	--	P4	E	950	TRIODE NO. 2.
55	2.5	GR-0205-0	12.5	--	P4	E	610	TRIODE SECTION. CAP = G.
55	2.5	GR-0405-0	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
55	2.5	GR-0305-0	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
56	2.5	FR-3204-0	6.2	--	P4	E	920	
57	2.5	GR-0235-4	3.7	--	P4	E	770	CAP = G.
57A	6.3	GR-0235-4	3.3	--	P4	E	770	CAP = G.
58	2.5	GR-0235-4	4.0	--	P4	E	900	CAP = G.
58A/58AS	6.3	GR-0235-4	4.0	--	P4	E	900	CAP = G.
59	2.5	HR-4236-5	3.5	--	P4	D	1260	
VT67	2.0	ER-3200-0	9.1	--	P4	E	570	NOTE 6.
HY69	6.3	FR-3024-0	0.0	--	P4	C	3150	CAP = P. NOTE 6.
70L7	75.0	HS-5346-0	1.5	--	--	C	4400	PENTODE SECTION. HOLD DOWN P1 & PRESS P4.
70L7	75.0	HS-0801-3	0.0	91	P3	G	----	RECT. SECTION. NOTE 3.
71A	5.0	ER-3200-0	25.0	--	P4	E	1040	NOTE 6.
75	6.3	GR-0205-0	1.1	--	P4	E	470	TRIODE SECTION. CAP = G.
75	6.3	GR-0405-2	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
75	6.3	GR-0305-2	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
76	6.3	FR-3204-0	6.2	--	P4	E	920	
77	6.3	GR-0235-4	3.3	--	P4	E	770	CAP = G.
78	6.3	GR-0235-4	4.0	--	P4	E	900	CAP = G.
79	6.3	GR-0504-0	1.6	--	P4	D	630	TRIODE NO. 1. CAP = G.
79	6.3	GR-3204-0	1.6	--	P4	D	630	TRIODE NO. 2.
81	7.5	ER-0200-0	0.0	50	P3	G	----	NOTES 3 & 6.
82	2.5	ER-0300-0	0.0	91	P3	G	----	PLATE NO. 1. NOTES 3 & 6.
82	2.5	ER-0200-0	0.0	91	P3	G	----	PLATE NO. 2. NOTES 3 & 6.
83V	5.0	ER-0300-0	0.0	89	P3	G	----	PLATE NO. 1. NOTES 3 & 6.
83V	5.0	ER-0200-0	0.0	89	P3	G	----	PLATE NO. 2. NOTES 3 & 6.
84	6.3	FR-0304-0	0.0	88	P3	G	----	PLATE NO. 1. NOTE 3.
84	6.3	FR-0204-0	0.0	88	P3	G	----	PLATE NO. 2. NOTE 3.
85	6.3	GR-0205-0	10.2	--	P4	E	620	TRIODE SECTION. CAP = G.
85	6.3	GR-0405-2	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
85	6.3	GR-0305-2	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
85AS	6.3	GR-0205-0	4.0	--	P4	E	800	TRIODE SECTION. CAP = G.
85AS	6.3	GR-0405-2	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
85AS	6.3	GR-0305-2	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
89/89Y	6.3	GR-0235-4	6.2	--	P4	E	980	CAP = G.
99	3.0	ER-3200-0	3.0	--	P4	F	270	NOTE 6.
112A	5.0	ER-3200-0	14.0	--	P4	E	1040	NOTE 6.
HY114	1.4	HS-0000-0	5.0	--	P4	E	700	RIGHT CAP = P. LEFT CAP = G. NOTE 6.
117L7/M7	117.0	HS-4358-0	7.6	--	P4	D	2500	PENTODE SECTION.
117L7/M7	117.0	HS-0601-0	0.0	91	P3	G	----	RECT. SECTION. NOTE 3.
117N7	117.0	HS-4356-0	7.6	--	P4	D	2500	PENTODE SECTION.
117N7	117.0	HS-0800-0	0.0	92	P3	G	----	RECT. SECTION. SHORT ON D. REVERSE METER. NOTE 3.
117P7	117.0	HS-4356-0	7.6	--	P4	D	2500	PENTODE SECTION.
117P7	117.0	HS-0800-0	0.0	92	P3	G	----	RECT. SECTION. SHORT ON D. REVERSE METER. NOTE 3.
117Z3	117.0	ET-0506-0	0.0	91	P3	G	----	NOTE 3.
117Z4	117.0	HS-0508-0	0.0	91	P3	G	----	NOTE 3.
117Z6	117.0	HS-0508-0	0.0	91	P3	G	----	PLATE NO. 1. NOTE 3.
117Z6	117.0	HS-0304-0	0.0	91	P3	G	----	PLATE NO. 2. NOTE 3.
X-155	6.3	EV-7608-9	2.2	--	P4	C	2500	TRIODE NO. 1.
X-155	6.3	EV-2103-9	2.2	--	P4	C	2500	TRIODE NO. 2.
GL502A	6.3	HS-5308-6	--	89	P5	G	----	STRIKES AT ABOUT 2 V. NOTES 2 & 3.
CK502AX	1.1	DV-4120-0	2.5	--	P4	D	350	PLATE VOLTS = LOW. NOTE 6.
CK503AX	1.1	DV-4120-0	3.0	--	P4	D	350	PLATE VOLTS = LOW. NOTE 6.
CK505AX	0.6	DV-4120-0	2.7	--	P4	F	110	NOTE 6.
CK506AX	1.1	DV-4120-0	7.5	--	P4	D	315	PLATE VOLTS = LOW. NOTE 6.

TUBE TYPE	FIL.	SELECTORS	BIAS VOLTS	SHUNT	PRESS	RANGE	MIN. MUT.COND.	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
CK510AX	0.6	EX-1230-6	0.0	--	P5	F	----	SECTION NO. 1. OK ABOVE 50 ON 600 SCALE. NOTES 3 & 6.
CK510AX	0.6	EX-6530-1	0.0	--	P5	F	----	SECTION NO. 2. OK ABOVE 50 ON 600 SCALE. NOTES 3 & 6.
CK512AX	0.6	DV-4120-0	6.0	--	P4	F	100	NOTE 6.
CK518AX	1.1	DV-4120-0	3.5	--	P4	D	350	PLATE VOLTS = LOW. NOTE 6.
CK522AX	1.1	DV-4120-0	3.2	--	P4	F	280	NOTE 6.
CK523AX	1.1	DV-4120-0	5.5	--	P4	F	230	NOTE 6.
CK524AX	1.1	DV-4120-0	12.5	--	P4	F	190	NOTE 6.
CK525AX	1.1	DV-4120-0	5.9	--	P4	F	200	NOTE 6.
CK526AX	1.1	DV-4120-0	7.6	--	P4	F	250	NOTE 6.
CK527AX	1.1	DV-4120-0	2.3	--	P4	F	140	NOTE 6.
CK528AX	1.1	DV-4120-0	2.6	--	P4	F	280	NOTE 6.
CK529AX	1.1	DV-4120-0	9.6	--	P4	F	220	NOTE 6.
CK533AX	1.1	DV-4120-0	4.2	--	P4	F	250	NOTE 6.
CK535AX	1.1	DV-4120-0	9.6	--	P4	F	220	NOTE 6.
CK536AX	1.1	DV-4120-0	4.2	--	P4	F	250	NOTE 6.
CK541DX	1.1	DV-4120-0	3.0	--	P4	F	160	NOTE 6.
CK542DX	1.1	DV-4120-0	8.0	--	P4	F	200	NOTE 6.
CK543DX	0.6	DV-4210-0	0.0	--	P1	F	----	NOTES 3 & 6.
CK544DX	1.1	DV-4120-0	2.0	--	P4	F	200	NOTE 6.
CK546DX	1.4	DV-4120-0	3.2	--	P4	F	300	SET CATH. ACT. SWITCH TO TEST POS. MAKE NO GAS TEST. NOTE 6.
GL546	6.3	ET-1702-5	--	90	P5	G	----	STRIKES AT ABOUT 1.8 V. NOTES 2&3.
CK547DX	1.1	DV-4120-0	2.4	--	P4	F	270	NOTE 6.
CK548DX	1.1	DV-4120-0	6.1	--	P4	F	190	NOTE 6.
CK556AX	1.1	ES-3100-0	6.0	--	P4	D	1000	NOTE 6.
CK568AX	1.1	ES-3100-0	9.0	--	P4	D	410	NOTE 6.
CK569AX	1.1	DV-4120-0	0.0	--	P4	D	690	PLATE VOLTS = LOW. NOTE 6.
CK571AX	1.1	DU-7120-0	18.0	--	P4	F	100	NOTE 6.
CK573AX	1.1	CU-3100-0	0.0	--	P4	D	1260	PLATE VOLTS = LOW. NOTE 6.
CK574AX	0.6	DV-4120-0	6.0	--	P4	F	100	NOTE 6.
CK578AX	1.1	DV-4120-0	2.2	--	P4	E	800	
CK605CX	6.3	DU-7126-5	1.8	--	P4	C	3150	
CK606BX	6.3	CT-0104-0	0.0	0	P1	G	----	DIODE. NOTE 3.
CK608CX	6.3	DU-5106-0	3.2	--	P4	C	3150	
CK619CX	6.3	CT-4105-0	0.6	--	P4	C	2500	
629	3.0	FR-3204-0	--	89	P5	G	----	STRIKES AT ABOUT 1.5 V. NOTES 2&3.
801A	7.5	ER-3200-0	0.0	--	P4	E	950	NOTE 6.
802	6.3	HR-4036-5	3.5	--	P4	E	1260	CAP = P.
807	6.3	FR-3024-0	6.0	--	P4	D	2400	CAP = P.
809	6.3	ER-3000-0	0.0	--	P4	D	1050	CAP = P. NOTE 6.
811	6.3	ER-3000-0	0.0	--	P4	E	850	CAP = P. NOTE 6.
812	6.3	ER-3000-0	0.0	--	P4	E	1400	CAP = P. NOTE 6.
815	6.3	JV-7043-2	7.0	--	P4	D	2500	PENTODE NO. 1. LEFT CAP = P.
815	6.3	BV-2043-7	7.0	--	P4	D	2500	PENTODE NO. 2. RIGHT CAP = P.
816	2.5	ER-0000-0	0.0	91	P3	G	----	CAP = P. NOTES 3 & 6.
SD828A	6.3	EW-3152-0	2.8	--	P4	C	2080	
SD828E	6.3	EW-3051-2	1.6	--	P4	D	1825	TOP LEAD = P.
834	7.5	ER-0000-0	0.0	--	P4	E	1040	NEAR CAP = G. FAR CAP = P. NOTE 6.
837	12.6	HR-4036-5	2.0	--	P4	D	1900	CAP = P.
841	7.5	ER-3200-0	0.0	--	P4	E	630	NOTE 6.
842	7.5	ER-3200-0	18.0	--	P4	E	750	NOTE 6.
843	2.5	FR-3204-0	1.3	--	P4	E	1030	
864	1.1	ER-3200-0	13.0	--	P4	D	410	NOTE 6.
865	7.5	ER-3020-0	7.2	--	P4	E	390	CAP = P. NOTE 6.
879	2.5	ER-0000-0	0.0	40	P5	G	----	CAP = P. NOTES 3 & 6.
SD917A	6.3	DU-2105-0	0.8	--	P4	D	1700	PLATE VOLTS = LOW.
SN944	6.3	EW-3051-2	2.0	--	P4	D	1500	TOP LEAD = P.
SN946B	6.3	CT-0104-0	0.0	0	P1	G	----	DIODE. NOTE 3.
SN947D	6.3	DW-1578-0	11.0	--	P4	C	3150	
SN949C	6.3	DW-7105-2	--	89	P5	G	----	STRIKES AT ABOUT 2.5 V. NOTES 2&3.
950	2.0	FR-3240-0	11.0	--	P4	E	600	NOTE 6.

TUBE TYPE	FIL.	SELECTORS	BIAS VOLTS	SHUNT	PRESS	RANGE	MIN. MUT.COND.	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
951	2.0	ER-0230-0	2.3	--	--	E	500	CAP = G. HOLD DOWN P1 & PRESS P4. NOTE 6.
SN953D	6.3	DW-1572-0	3.0	--	P4	C	3800	
954	6.3	GR-8037-4	3.3	--	P4	E	700	CAP = P.
MODEL 539C#								
954	6.3	HS-8036-4	3.3	--	P4	E	700	CAP = P. USE ADAPTER SA-7, 1050-9.
SN954	6.3	ES-0103-0	0.0	85	P3	G	----	NOTE 3.
SN954B	6.3	DW-0205-0	0.0	85	P3	G	----	NOTE 3.
955	6.3	GR-4307-0	4.8	--	P4	E	1200	
MODEL 539C#								
955	6.3	HS-4306-0	4.8	--	P4	E	1200	USE ADAPTER SA-7, 1050-9.
956	6.3	GR-8037-4	2.3	--	P4	D	950	CAP = P.
MODEL 539C#								
956	6.3	HS-8036-4	2.3	--	P4	D	950	CAP = P. USE ADAPTER SA-7, 1050-9.
SN956B	1.1	BS-0000-0	0.0	--	P3	B	----	TOP LEAD =P. CONNECT FIL. LEADS TO PINS 1 & 2. NOTES 3 & 6.
957	1.4	GR-4300-0	8.3	--	P4	D	400	NOTE 6.
MODEL 539C#								
957	1.4	HS-4300-0	8.3	--	P4	D	400	USE ADAPTER SA-7, 1050-9. NOTE 6.
SN957A	6.3	FT-4102-0	1.4	--	P4	D	1700	PLATE VOLTS = LOW.
958	1.4	GR-4300-0	8.3	--	P4	D	750	NOTE 6.
MODEL 539C#								
958	1.4	HS-4300-0	8.3	--	P4	D	750	USE ADAPTER SA-7, 1050-9. NOTE 6.
959	1.4	GR-8030-0	3.0	--	P4	E	380	CAP = P. NOTE 6.
MODEL 539C#								
959	1.4	HS-8030-4	3.0	--	P4	E	380	CAP = P. USE ADAPTER SA-7, 1050-9. NOTE 6.
SN972D	6.3	DW-1574-0	1.6	--	P4	D	1900	
SN973B	6.3	DW-1574-0	2.0	--	P4	C	2500	
SN976C	6.3	DW-1578-0	12.0	--	P4	C	3150	
SD993C	6.3	DW-1805-0	0.0	--	P4	C	3660	PLATE VOLTS = LOW.
SD995B	6.3	DW-1574-0	1.6	--	P4	D	1900	
FM1000	6.3	JR-6453-2	--	--	--	-	----	USE THIS SETTING FOR SHORT CHECK ONLY.
FM1000	6.3	JR-2503-7	3.2	--	P4	D	950	PLATE VOLTS = LOW.
1005	6.3	GY-0305-0	0.0	88	P5	G	----	PLATE NO. 1. NOTES 3 & 6.
1005	6.3	GY-0503-0	0.0	88	P5	G	----	PLATE NO. 2. NOTES 3 & 6.
SN1006	6.3	FT-4102-0	1.5	--	P4	D	1500	PLATE VOLTS = LOW.
CK1027	---	AP-0407-0	0.0	67	P5	G	----	CAP = P. NOTE 3.
CK1042	---	AP-0105-0	0.0	87	P2	G	----	NOTE 3.
E1148	6.3	HS-0008-0	1.5	--	P4	D	1390	UPPER CAP = P. LOWER CAP = G.
1201	6.3	JS-1304-0	2.4	--	P4	D	1900	
1203	6.3	JR-0407-0	0.0	--	P1	E	----	DIODE. NOTE 3.
1204	6.3	HS-5314-0	1.5	--	P4	D	1150	
1216	6.3	ET-5207-0	3.5	--	P4	D	2150	TRIODE NO. 1.
1216	6.3	ET-6107-0	3.5	--	P4	D	2150	TRIODE NO. 2.
1229	2.0	ER-0230-0	3.0	--	--	E	400	CAP = G. HOLD DOWN P1 & PRESS P4. NOTE 6.
1230	2.0	ER-3200-0	10.2	--	P4	E	570	NOTE 6.
1231	6.3	JR-6237-4	0.5	--	P4	C	3460	
1232	6.3	JR-6237-4	1.1	--	P4	D	2840	
1237	2.5	HS-0300-0	0.0	93	P3	G	----	PLATE NO. 1. NOTES 3 & 6.
1237	2.5	HS-0600-0	0.0	93	P3	G	----	PLATE NO. 2. NOTES 3 & 6.
1247	0.6	EV-0000-0	0.0	0	P1	G	----	TOP LEAD = P. NOTES 3 & 6.
HY1269	12.6	FR-3024-0	0.0	--	P4	D	2500	CAP = P. SHORT ON 1. NOTE 6.
1273	6.3	JR-6237-4	1.1	--	P4	D	1450	
1274	6.3	HS-0508-3	0.0	85	P3	G	----	PLATE NO. 1. NOTE 3.
1274	6.3	HS-0308-5	0.0	85	P3	G	----	PLATE NO. 2. NOTE 3.
1280	12.6	JR-6237-4	1.1	--	P4	D	1450	
1284	12.6	JR-6237-4	5.0	--	P4	E	1260	
1285	25.0	HS-5348-0	12.0	--	P4	C	3650	
1291	2.5	BY-6700-0	2.8	--	P4	D	1200	TRIODE NO. 1. PLATE VOLTS = LOW. NOTE 6.
1291	2.5	JR-3200-0	2.8	--	P4	D	1200	TRIODE NO. 2. PLATE VOLTS = LOW. NOTE 6.

TUBE TYPE	FIL.	SELECTORS	BIAS VOLTS	SHUNT	PRESS	RANGE	MIN. MUT.COND.	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
1293	1.4	JR-6200-0	5.0	--	P4	D	820	NOTE 6.
1294	1.4	JR-0407-0	0.0	--	P1	D	----	DIODE. NOTE 3.
1299	2.5	JR-6230-0	4.0	--	--	D	1300	HOLD DOWN P1 & PRESS P4. NOTE 6.
1603	6.3	GR-0235-4	3.7	--	P4	E	770	CAP = G.
1609	1.1	FR-3240-0	0.0	--	--	E	440	HOLD DOWN P1 & PRESS P4. NOTE 6.
1612	6.3	HS-0348-5	5.0	--	P4	E	410	CAP GRID. CAP = G.
1612	6.3	HS-5348-1	5.0	--	P4	E	410	PIN GRID.
1613	6.3	HS-5348-0	1.7	--	P4	D	1640	
1614	6.3	HS-5348-1	3.0	--	P4	C	3300	
1616	3.0	FR-0000-0	0.0	86	P2	G	----	CAP = P. NOTES 3 & 6.
1619	2.5	HS-5340-8	1.3	--	P4	D	2150	NOTE 6.
1620	6.3	HS-0348-5	4.0	--	P4	E	770	CAP = G.
1621	6.3	HS-5348-0	1.7	--	P4	D	1640	
1622	6.3	HS-5348-0	3.0	--	P4	C	3300	
1623	6.3	FR-3000-0	0.0	--	P4	E	1400	CAP = P. NOTE 6.
1624	2.5	FR-3020-0	0.0	--	P4	D	2500	CAP = P. NOTE 6.
1625	12.6	HR-4036-0	6.0	--	P4	D	2400	CAP = P.
1626	12.6	HS-5308-0	16.0	--	P4	E	1325	
1629	12.6	HS-5408-0	0.0	--	P4	G	----	EYE OPEN.
1629	12.6	HS-5438-0	0.0	--	P4	G	----	EYE CLOSED.
1631	12.6	HS-5348-1	3.0	--	P4	C	3300	
1632	12.6	HS-5348-0	1.5	--	--	C	5650	HOLD DOWN P1 & PRESS P4.
1633	25.0	HY-4506-0	3.7	--	P4	D	1640	TRIODE NO. 1.
1633	25.0	HY-1203-0	3.7	--	P4	D	1640	TRIODE NO. 2.
1634	12.6	HY-4506-1	0.9	--	P4	D	830	TRIODE NO. 1.
1634	12.6	HY-3206-1	0.9	--	P4	D	830	TRIODE NO. 2.
1635	6.3	HS-4308-0	0.0	--	P4	D	540	TRIODE NO. 1.
1635	6.3	HS-5608-0	0.0	--	P4	D	540	TRIODE NO. 2.
1641	5.0	ER-0000-0	0.0	84	P3	G	----	LEFT CAP = P. NOTES 3 & 6.
1641	5.0	BU-0000-0	0.0	84	P3	G	----	RIGHT CAP = P. NOTES 3 & 6.
1642	6.3	HR-4506-0	7.5	--	P4	E	870	TRIODE NO. 1.
1642	6.3	HR-0302-0	7.5	--	P4	E	870	TRIODE NO. 2. CAP = G.
1644	12.6	HW-1852-3	3.0	--	P4	D	1350	PENTODE NO. 1.
1644	12.6	HW-3452-1	3.0	--	P4	D	1350	PENTODE NO. 2.
1654	1.4	BX-0000-0	0.0	--	P5	E	----	CAP = P. NOTES 3 & 6.
1658	2.0	ER-3200-0	10.2	--	P4	F	570	NOTE 6.
1659	2.5	GR-0205-0	1.1	--	P4	D	700	TRIODE SECTION. CAP = G.
1659	2.5	GR-0405-0	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
1659	2.5	GR-0305-0	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
1851	6.3	HS-0348-5	1.0	--	P4	C	5650	CAP = G.
1852	6.3	HS-4865-3	1.0	--	P4	C	5650	
1853	6.3	HS-4865-3	2.0	--	P4	D	2200	
5516	6.3	HS-5031-0	6.0	--	P4	D	2500	CAP = P. SHORT ON 1. NOTE 6.
5517	---	AP-0407-0	0.0	89	P2	G	----	CAP = P. NOTE 3.
5556	4.3	ER-3200-0	4.5	--	P4	E	625	NOTE 6.
5608A	2.5	HR-5604-2	1.5	--	P4	D	1550	TRIODE NO. 1.
5608A	2.5	HR-3204-6	1.5	--	P4	D	1550	TRIODE NO. 2.
5610	6.3	ET-6102-0	1.0	--	P4	D	2500	PLATE VOLTS = LOW.
5618	6.3	BX-6234-0	8.0	--	P4	D	1900	NOTE 6.
5633	6.3	EW-3051-2	2.0	--	P4	D	1500	TOP LEAD = P.
5634	6.3	EW-3051-2	1.6	--	P4	D	1825	TOP LEAD = P.
5635	6.3	DW-1708-4	1.5	--	P4	C	2400	TRIODE NO. 1.
5635	6.3	DW-2508-4	1.5	--	P4	C	2400	TRIODE NO. 2.
5637	6.3	DU-2105-0	0.8	--	P4	D	1700	PLATE VOLTS = LOW.
5638	6.3	EW-3152-0	2.8	--	P4	C	2080	
5639	6.3	DW-1572-0	3.0	--	P4	C	3800	
5640	6.3	DW-1578-0	11.0	--	P4	C	3150	
5641	6.3	DW-0205-0	0.0	85	P3	G	----	NOTE 3.
5645	6.3	FT-4102-0	1.4	--	P4	D	1700	PLATE VOLTS = LOW.
5646	6.3	FT-4102-0	1.5	--	P4	D	1500	PLATE VOLTS = LOW.
5647	6.3	CT-0104-0	0.0	0	P1	G	----	DIODE. NOTE 3.
5659	12.6	HS-5348-0	6.0	--	P4	D	1900	

TUBE TYPE	FIL.	SELECTORS	BIAS VOLTS	SHUNT	PRESS	RANGE	MIN. MUT.COND.	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
5660	12.6	HS-0368-0	4.0	--	P4	D	725	PENTODE SECTION. CAP = G.
5660	12.6	HS-0568-0	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
5660	12.6	HS-0468-0	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
5661	12.6	HS-4865-3	2.0	--	P4	D	1260	
5662	6.3	ET-1705-0	--	88	P5	G	----	STRIKES AT ABOUT 5 V. NOTES 2 & 3.
5663	6.3	ET-1702-5	--	89	P5	G	----	STRIKES AT ABOUT 2 V. NOTES 2 & 3.
5679	6.3	JR-0607-5	0.0	--	P1	E	----	DIODE NO. 1. NOTE 3.
5679	6.3	JR-0302-5	0.0	--	P1	E	----	DIODE NO. 2. NOTE 3.
5690	6.3	HW-0508-3	0.0	90	P3	G	----	UNIT NO. 1. NOTE 3.
5690	6.3	CR-0304-5	0.0	90	P3	G	----	UNIT NO. 2. NOTE 3.
5691	6.3	HY-4506-2	1.0	--	P4	C	1000	TRIODE NO. 1.
5691	6.3	HY-1203-5	1.0	--	P4	C	1000	TRIODE NO. 2.
5692	6.3	HY-4506-2	4.5	--	P4	D	1400	TRIODE NO. 1.
5692	6.3	HY-1203-5	4.5	--	P4	D	1400	TRIODE NO. 2.
5693	6.3	HS-4865-3	4.0	--	P4	D	1040	
5694	6.3	HS-4301-0	0.0	--	P4	D	1500	TRIODE NO. 1.
5694	6.3	HS-5608-0	0.0	--	P4	D	1500	TRIODE NO. 2.
5731 MODEL 539C#	6.3	GR-4307-0	3.3	--	P4	D	1400	
5731	6.3	HS-4306-0	3.3	--	P4	D	1400	USE ADAPTER SA-7, 1050-9.
5732	6.3	HS-0348-5	2.8	--	P4	E	910	CAP = G.
5742	4.3	ER-3200-0	0.9	--	P4	E	530	NOTE 6.
5785	1.1	GX-0100-0	0.0	--	P1	D	----	NOTES 3 & 6.
5812	6.3	ET-1560-2	8.0	--	P4	D	2700	NOTE 6.
5823	OFF	AP-4301-0	0.0	70	--	G	----	HOLD DOWN P6 & PRESS P5. REVERSE METER. SOME TUBES SHORT ON 3-4. NOTE 3.
5824	25.0	HS-5348-0	17.0	--	P4	D	2500	
5825	1.4	ER-0000-0	0.0	--	P5	D	----	CAP = P. OK ABOVE 600 ON 6000 SCALE. NOTES 3 & 6.
5838	12.6	HS-0508-0	0.0	81	P3	G	----	PLATE NO. 1. NOTE 3.
5838	12.6	HS-0308-0	0.0	81	P3	G	----	PLATE NO. 2. NOTE 3.
5839	25.0	HS-0508-3	0.0	85	P3	G	----	PLATE NO. 1. NOTE 3.
5839	25.0	HS-0308-5	0.0	85	P3	G	----	PLATE NO. 2. NOTE 3.
5851	2.5	HR-8360-0	6.0	--	P4	E	1000	NOTE 6.
5854	1.1	DV-4120-0	4.0	--	P4	F	310	PLATE VOLTS = LOW. NOTE 6.
5875	1.1	DV-4120-0	1.4	--	P4	D	1250	
5879	6.3	EV-1873-9	3.3	--	P4	E	630	
5886	1.1	DU-7120-0	18.0	--	P4	F	100	NOTE 6.
5910	1.4	BX-6230-0	3.6	--	P4	D	570	NOTE 6.
5967	1.1	ES-6801-3	2.0	--	P4	D	1260	TRIODE NO. 1. PLATE VOLTS = LOW. NOTE 6.
5967	1.1	ES-3108-6	2.0	--	P4	D	1260	TRIODE NO. 1. PLATE VOLTS = LOW. NOTE 6.
5992	6.3	HS-5348-0	3.0	--	P4	D	2200	
6000	25.0	HS-1583-0	0.6	--	P4	C	4250	
6004	5.0	JS-0000-0	0.0	73	P3	G	----	NEAR CAP = P. NOTE 3.
6004	5.0	JS-0000-0	0.0	73	P3	G	----	FAR CAP = P. NOTE 3.
6007	1.1	DV-4120-0	4.4	--	P4	F	260	NOTE 6.
6008	0.6	DV-4120-0	5.7	--	P4	F	65	NOTE 6.
6026	6.3	EV-7803-0	3.2	--	P4	C	3700	
6029	1.1	CU-3100-0	0.0	--	P4	D	1260	PLATE VOLTS = LOW. NOTE 6.
6087	5.0	JS-0600-0	0.0	80	P3	G	----	PLATE NO. 1. NOTES 3 & 6.
6087	5.0	JS-0400-0	0.0	80	P3	G	----	PLATE NO. 2. NOTES 3 & 6.
6088	1.1	DV-4120-0	3.0	--	P4	D	400	PLATE VOLTS = LOW. NOTE 6.
6094	6.3	DV-1428-0	2.1	--	P4	D	2600	
6099	6.3	ET-5207-0	1.8	--	P4	C	3340	TRIODE NO. 1.
6099	6.3	ET-6107-0	1.8	--	P4	C	3340	TRIODE NO. 2.
6100	6.3	ET-6107-0	4.8	--	P4	E	1380	
6101	6.3	ET-5207-6	1.8	--	P4	C	3800	TRIODE NO. 1.
6101	6.3	ET-6107-5	1.8	--	P4	C	3800	TRIODE NO. 2.
6106	5.0	JS-0600-0	0.0	85	P3	G	----	PLATE NO. 1. NOTES 3 & 6.
6106	5.0	JS-0400-0	0.0	85	P3	G	----	PLATE NO. 2. NOTES 3 & 6.
6113	6.3	HY-4506-2	0.4	--	P4	D	1000	TRIODE NO. 1.

SEE NEXT PAGE FOR CONTINUATION

TUBE TYPE	FIL.	SELECTORS	BIAS VOLTS	SHUNT	PRESS	RANGE	MIN. MUT.COND.	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
6113	6.3	HY-1203-5	0.4	--	P4	D	1000	TRIODE NO. 2.
6145	6.3	JR-6237-4	0.0	--	P4	C	5650	
6147	2.5	HR-8360-0	6.0	--	P4	E	1000	NOTE 6.
6169	6.3	DW-1204-0	0.7	--	P4	C	3800	
6184	6.3	DW-0204-8	0.0	0	P1	G	----	DIODE NO. 1. NOTE 3.
6184	6.3	DW-0705-8	0.0	0	P1	G	----	DIODE NO. 2. NOTE 3.
6188	6.3	HY-4506-2	1.0	--	P4	D	1000	TRIODE NO. 1.
6188	6.3	HY-1203-5	1.0	--	P4	D	1000	TRIODE NO. 2.
6355	6.3	FT-1427-0	0.0	100	P4	G	----	EYE 1 OPEN. EYE 2 CLOSED.
6355	6.3	FT-4127-0	0.0	100	P4	G	----	EYE 2 OPEN. EYE 1 CLOSED.
6877	6.3	DV-1408-0	9.4	--	P4	C	4000	
6888	6.3	HS-4865-3	9.0	--	P4	E	1180	
6954	6.3	ET-1562-7	1.0	--	P4	D	1750	
7193	6.3	HS-0008-0	3.7	--	P4	D	1900	UPPER CAP = G. LOWER CAP = P.
8013A	3.0	ER-0000-0	0.0	20	P5	G	----	CAP = P. NOTE 3.
8016	1.1	HS-0000-0	0.0	12	P5	G	----	CAP = P. NOTES 3 & 6.
9001	6.3	ET-1567-0	4.5	--	P4	D	700	
9002	6.3	ET-6107-0	4.8	--	P4	C	1200	
9003	6.3	ET-1562-0	1.5	--	P4	D	1125	
9004	6.3	GR-0304-0	0.0	0	P1	G	----	DIODE. NOTE 3.
MODEL 539C# 9004	6.3	HS-0304-0	0.0	0	P1	G	----	DIODE. USE ADAPTER SA-7, 1050-9. NOTE 3.
9005	4.3	GR-0403-0	0.0	--	P1	E	----	DIODE. NOTE 3.
MODEL 539C# 9005	4.3	HS-0403-0	0.0	--	P1	E	----	DIODE. USE ADAPTER SA-7, 1050-9. NOTE 3.
9006	6.3	ET-0107-0	0.0	--	P1	E	----	DIODE. NOTE 3.
38142	7.5	ER-3200-0	8.0	--	P4	E	1380	NOTE 6.
XXB	2.5	BY-5600-0	3.5	--	P4	D	700	TRIODE NO. 1. PLATE VOLTS = LOW. NOTE 6.
XXB	2.5	JR-4300-0	3.5	--	P4	D	700	TRIODE NO. 2. PLATE VOLTS = LOW. NOTE 6.
XXD	12.6	JR-5607-0	4.2	--	P4	D	1640	TRIODE NO. 1.
XXD	12.6	JR-4302-0	4.2	--	P4	D	1640	TRIODE NO. 2.
XXFM	6.3	JR-3204-0	1.1	--	P4	D	630	TRIODE SECTION.
XXFM	6.3	JR-0504-0	0.0	0	P1	G	----	DIODE NO. 1. NOTE 3.
XXFM	6.3	JR-0607-0	0.0	0	P1	G	----	DIODE NO. 2. NOTE 3.
XXL	6.3	JR-6207-0	3.7	--	P4	D	1640	

ADAPTERS

for

TUBE TESTERS

As new tube types with new basing arrangements are developed, Hickok makes Adapters to accommodate them. These Adapters consist of the new bases which plug into a socket on your Tube Tester and thus enlarge its scope to the extent of the new basings. This Hickok policy greatly extends the useful life of your Tester. Consult the following list of Adapters with their descriptions to determine which Adapter meets your requirements. Please order by both Model and Code number of the Adapter, as well as indicating the Model and Serial number of the Tube Tester with which the Adapter is to be used.

Model No.	Code No.	
CA-5	1050-164	Adapter - Latest Tube Bases: This adapter provides tube test sockets for Compactrons, Novars, 5 and 7-pin Nuvistors and the new 10-pin tubes, including Decals. Three selector switches provide selection of tube elements on the latest based tubes and a permanently attached lead provides for top cap tube connections. The adapter is supplied with a connecting cable terminating in a Noval plug which is plugged into the tube tester Noval test socket.
SA-1	1050-94	Subminiature Adapter, with sockets for testing 7-pin inline and 8-pin round tube types on some early units of Models 539B, 539C, 580, 750, 752, 752A, 6000, 6000A and 6005 Tube Testers that were not supplied with these sockets on their panels, although most of the above Testers are equipped with these sockets. Check your particular Tester before ordering.
SA-2	1050-99	Subminiature Adapter, with sockets for testing 7-pin inline and 8-pin round tube types on some early units of Models 533A, 600A, 800, 800A and 1575 Tube Testers that were not supplied with these sockets on their panels, although most of the above Testers are equipped with these sockets. Check your particular Tester before ordering .
SA-3	1050-127	Nuvistor Adapter, for testing 5-pin Nuvistor tube types on all Hickok Tube Testers not supplied with this socket on the panel. NOTE: This socket is also on the CA-4, 1050-135 (and CA-5, 1050-164) Universal Adapters. If you have a Universal Adapter, this Nuvistor Adapter is unnecessary.
SA-4	1050-144	Novar Adapter, for testing all Novar tube types on all Hickok Tube Testers not supplied with this socket on the panel. NOTE: This socket is also on the CA-4, 1050-135 (and CA-5, 1050-164) Universal Adapters. If you have a Universal Adapter, this Novar Adapter is unnecessary .
SA-5	1050-129	Rimlock Adapter, for testing Foreign Rimlock tube types on all Hickok Tube Testers .
SA-6	1050-107	Septar Adapter, for testing Septar tube types such as 829B, 832A, etc., on all Hickok Tube Testers.
SA-7	1050-9	Acorn Adapter, for testing Acorn tube types on all Hickok Tube Testers not supplied with this socket on the panel.
SA-8	1050-168	Magnoval Adapter, for testing Magnoval tube types on all Hickok Tube Testers not supplied with this socket . CAUTION: Any attempt to force a Magnoval tube type into a Novar socket (it can be done) will spread the pin contacts in the socket and render it permanently useless for testing Novar tube types .
SA-9	1050-121	Pencil Tube Adapter, for testing Pencil tube tupes on all Hickok Tube Testers .
SA-11	1050-177	Decal Adapter, for testing 10-pin Decal tube types on all Hickok Tube Testers not supplied with this socket on panel. The following list of early Hickok Tube Testers also require a CA-4, 1050-135, Universal Adapter be used in conjunction with this Adapter: Models 533A, 539B, 600A, 605A, 750, 752, 800, 1575, 6000 and 6005.

NOTATIONS

NOTE 1: The letter that appears in the RANGE column indicates the setting of the FUNCTION SWITCH.

NOTE 2: (symbol "#" on Roll Chart) Set BIAS VOLTS at 40, press and hold down button indicated in the PRESS column while rotating BIAS VOLTS control until tube strikes. The striking voltages indicated are nominal values and reference to handbook "Critical Grid Characteristics" of Thyratron tubes reveals appreciable variations from these values.

NOTE 3: (symbol "★" on Roll Chart) Make emission tests only. Good tubes will read above index mark "RECTIFIERS & DIODES OK" on METER.

NOTE 4: Mutual Conductance Values are minimum. Discard tubes which read lower.

NOTE 5: Readjust BIAS VOLTS after button P4 is pressed, then read Gm.

NOTE 6: (symbol "🌡" on Roll Chart) A short indication on position "A" of the SHORTS switch is normal.

NOTE 7: For TUBE TESTER Models 539B and 539C, the Universal Adapter CA-5, 1050-164, is available. This Adapter provides tube test sockets for Compactrons, Novars, 5 and 7-pin Nuvistors, and the new 10-pin tubes, including Decals. Test data for these tubes is supplied in supplementary form with the Adapter. See inside back cover for description of all adapters.

NOTE 8: "Cut off" tube section NOT being tested by means of a 30 to 35 volt battery (Eveready 413, or equal). Polarity and connections are indicated in the NOTATIONS column: e. g., NOTE 8: 7-, 2+, indicates connect negative lead to pin 7 and positive lead to pin 2 of any convenient socket on the tester.

CAUTION: Disconnect battery between any change of SELECTORS.

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