



# Obsolete Tube Types

**SUPPLEMENTARY TEST DATA**

for

**MODELS 6000, 6000A, & 6005**

**TUBE TESTERS**

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10514 DUPONT AVENUE • CLEVELAND, OHIO 44108

PHONE — 541-8060  
TWX — CV 662

CABLE — HICKOK, CLEVELAND  
WESTERN UNION — KJ

**3200-166**

Supersedes 3200-110

NOTE 1: Connect lead provided to the top cap of the tube to be tested. The operating function of the cap will then be determined by the SELECTOR settings.

NOTE 2: (symbol "# " on Roll Chart) Set BIAS dial at 100; press and hold down TEST button while rotating BIAS dial until tube strikes.

NOTE 3: (symbol "‡ " on Roll Chart) Indicates that for TUBE TESTER Models 6000 and 6005, the Universal Adapter CA-4, 1050-135 is available for testing tubes with the more recent type basings, such as Compactrons, Novars, Nuvistors, and Ten-Pin (not Decal) types. Ten-Pin Decal types require the use of Adapter SA-11, 1050-177, in addition to the CA-4 Adapter. Test data for these tubes is supplied in supplementary form with the adapter.

NOTE 4: "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 4: 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.

NOTE 5: For Tester Models not having Subminiature Sockets use Hickok Adapter SA-1, 1050-94. See inside back cover for complete description of all adapters.

TUBE TYPE	FIL.	SELECTORS	BIAS	SHUNT	FUNCT.	MUT. COND	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
0A4	OFF	AP-0570-2	100	89	F	----	
0Y4	OFF	AP-0503-7	0	91	G	----	
1A4	2.0	ER-X230-0	11	21	B	650	
1A5	1.4	HS-5340-0	38	35	A	800	
1A7	1.4	HS-X340-5	11	0	B	500	PENTODE SECTION.
1A7	1.4	HS-5643-X	24	73	B	450	OSC. SECTION. OK ABOVE 275.
1A85	1.1	JR-6230-0	11	52	A	1100	
1AC5	1.1	EV-2780-0	19	14	B	600	
1AD5	1.1	EV-2780-0	11	0	B	500	
1AE4	1.1	BX-6230-0	25	45	A	950	
1AF4	1.4	BX-6230-0	21	27	A	700	
1AF5	1.4	BX-6540-0	11	73	B	400	PENTODE SECTION. OK ABOVE 250.
1AF5	1.4	BX-0300-0	0	0	C	----	DIODE SECTION.
1AG5	1.1	EW-5120-0	40	0	F	----	PENTODE SECTION. OK ABOVE 500 ON 3000 SCALE.
1AG5	1.1	EW-0300-0	0	50	C	----	DIODE SECTION.
1AJ5	1.1	EW-5120-3	22	73	B	425	PENTODE SECTION. OK ABOVE 270.
1AJ5	1.1	EW-0300-0	0	40	C	----	DIODE SECTION.
1AK5	1.1	EW-5120-3	40	0	F	----	PENTODE SECTION. OK ABOVE 500 ON 3000 SCALE.
1AK5	1.1	EW-0300-0	0	20	C	----	DIODE SECTION.
1AU3	1.1	HS-0X00-0	0	42	F	----	OK ABOVE DIODES OK.
1AX2	1.4	BS-0X00-0	0	53	F	----	
1B4	2.0	ER-X230-0	17	35	B	800	
1B5	2.0	GR-5200-0	24	11	A	575	TRIODE SECTION.
1B5	2.0	GR-0400-0	0	30	C	----	DIODE NO. 1.
1B5	2.0	GR-0300-0	0	30	C	----	DIODE NO. 2.
1B7	1.4	HS-X340-5	11	15	B	600	PENTODE SECTION.
1B7	1.4	HS-564X-3	17	24	B	675	OSC. SECTION.
1C3	1.4	BX-4200-0	36	32	A	760	
1C5	1.4	HS-5340-0	35	62	A	1400	
1C6	2.0	GR-X253-4	11	35	B	800	AMPL. SECTION.
1C6	2.0	GR-4352-X	11	0	B	500	OSC. SECTION.
1C7	2.0	HS-X346-5	11	35	B	800	PENTODE SECTION.
1C7	2.0	HS-5643-X	11	0	B	500	OSC. SECTION.
1D5	2.0	HS-X340-0	11	21	B	650	
1D7	2.0	HS-X346-5	12	24	B	675	PENTODE SECTION.
1D7	2.0	HS-564X-3	12	73	B	200	OSC. SECTION. OK ABOVE 125.
1D8	1.4	HS-5346-0	11	43	B	925	PENTODE SECTION.
1D8	1.4	HS-X600-0	11	11	B	575	TRIODE SECTION.
1D8	1.4	HS-0800-0	0	0	C	----	DIODE SECTION.
1DN5	1.4	HR-6230-0	25	0	A	550	PENTODE SECTION.
1DN5	1.4	HR-0400-0	0	0	C	----	DIODE SECTION.
1E3	1.1	EV-1800-0	22	81	A	3000	
1E5	2.0	HS-X340-0	13	35	B	800	
1E7	2.0	HS-5683-4	11	55	A	1150	PENTODE NO. 1.
1E7	2.0	HS-4386-5	11	55	A	1150	PENTODE NO. 2.
1F4	2.0	FR-3240-0	16	62	A	1400	
1F5	2.0	HS-5340-0	12	62	A	1400	
1F6	2.0	GR-X230-0	8	21	B	650	PENTODE SECTION.
1F6	2.0	GR-0500-0	0	0	C	----	DIODE NO. 1.
1F6	2.0	GR-0400-0	0	0	C	----	DIODE NO. 2.
1F7	2.0	HS-X360-0	8	21	B	650	PENTODE SECTION.
1F7	2.0	HS-0400-0	0	0	C	----	DIODE NO. 1.
1F7	2.0	HS-0500-0	0	0	C	----	DIODE NO. 2.
1G4	1.4	HS-5300-0	48	37	A	825	
1G5	2.0	HS-5340-0	28	65	A	1500	
1G6	1.4	HS-5600-0	19	24	A	675	TRIODE NO. 1.
1G6	1.4	HS-4300-0	19	24	A	675	TRIODE NO. 2.
1H4	2.0	HS-5300-0	40	42	A	900	
1H5	1.4	HS-X300-0	16	0	A	275	TRIODE SECTION. OK ABOVE 600 ON 3000 SCALE.
1H5	1.4	HS-0500-0	0	35	C	----	DIODE SECTION.
1H6	2.0	HS-6300-0	24	11	A	575	TRIODE SECTION.
1H6	2.0	HS-0500-0	0	30	C	----	DIODE NO. 1.
1H6	2.0	HS-0400-0	0	30	C	----	DIODE NO. 2.
1J3	1.1	HS-0X00-0	0	42	F	----	OK ABOVE DIODES OK.
1J5	2.0	HS-5340-0	46	45	A	950	
1J6	2.0	HS-5600-0	15	48	A	1000	TRIODE NO. 1.
1J6	2.0	HS-4300-0	15	48	A	1000	TRIODE NO. 2.

TUBE TYPE	FIL.	SELECTORS	BIAS	SHUNT	FUNCT.	MUT. COND	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
1L4	1.4	HR-6230-0	19	49	A	1025	
1L6	1.4	BX-6253-4	11	0	B	500	PENTODE SECTION.
1L6	1.4	BX-4352-6	11	73	B	400	OSC. SECTION. OK ABOVE 250.
1LA4	1.4	JR-6230-0	38	35	A	800	
1LA6	1.4	JR-6253-4	11	21	B	650	PENTODE SECTION.
1LA6	1.4	JR-4352-6	14	0	B	500	OSC. SECTION.
1LB4	1.4	JR-6230-0	46	44	A	925	
1LC5	1.4	JR-6234-0	11	15	B	600	
1LC6	1.4	JR-6253-4	10	48	B	1000	PENTODE SECTION.
1LC6	1.4	JR-4352-6	30	7	B	550	OSC. SECTION.
1LD5	1.4	JR-6230-0	11	0	B	500	PENTODE SECTION.
1LD5	1.4	JR-0400-0	0	0	C	----	DIODE SECTION.
1LE3	1.4	JR-6200-0	25	56	A	1200	
1LF3	1.4	JR-6200-0	25	56	A	1200	
1LG5	1.4	JR-6234-0	15	50	A	1050	
1LH4	1.4	JR-6200-0	16	0	A	275	TRIODE SECTION. OK ABOVE 600 ON 3000 SCALE.
1LH4	1.4	BY-0400-0	0	35	C	----	DIODE SECTION.
1LN5	1.4	JR-6234-0	11	31	A	750	
1N5	1.4	HS-X340-0	11	31	A	750	
1N6	1.4	HS-5340-0	40	35	A	800	PENTODE SECTION.
1N6	1.4	HS-0600-0	0	0	C	----	DIODE SECTION.
1P5	1.4	HS-X340-0	12	35	A	800	
1Q5	1.4	HS-5340-0	42	75	A	2100	
1Q6	1.1	EV-2780-0	15	73	B	400	PENTODE SECTION. OK ABOVE 250.
1Q6	1.1	EV-0600-0	0	0	C	----	DIODE SECTION.
1R4	1.4	JR-0407-0	0	40	C	----	DIODE.
1S6	1.1	EV-3180-0	12	73	B	450	PENTODE SECTION. OK ABOVE 275.
1S6	1.1	EV-0600-0	0	0	C	----	DIODE SECTION. OK ABOVE 500 ON 3000 SCALE.
1SA6	1.4	HS-4863-0	11	21	B	650	
1SB6	1.4	HS-8340-0	5	21	B	650	PENTODE SECTION.
1SB6	1.4	HS-0500-0	0	0	C	----	DIODE SECTION.
1T4	1.4	BX-6230-0	11	21	B	650	
1T5	1.4	HS-5340-0	44	55	A	1150	
1T6	1.1	EV-3180-0	12	73	B	450	PENTODE SECTION. OK ABOVE 275.
1T6	1.1	EV-0600-0	0	0	C	----	DIODE SECTION. OK ABOVE 500 ON 3000 SCALE.
1U5	1.4	BX-6230-0	11	0	R	500	PENTODE SECTION.
1U5	1.4	BX-0400-0	0	0	C	----	DIODE SECTION.
1U6	1.4	BX-6253-4	10	48	B	1000	AMPL. SECTION.
1U6	1.4	BX-4356-2	10	0	B	500	OSC. SECTION.
1V	6.3	ER-0203-0	0	75	D	----	
1V5	1.1	EV-2780-0	19	14	B	600	
1V6	1.1	EX-3120-6	29	0	F	----	PENTODE SECTION. OK ABOVE 500 ON 3000 SCALE.
1V6	1.1	EX-5600-3	11	0	C	----	TRIODE SECTION. OK ABOVE 300 ON 3000 SCALE.
1W4	1.4	BX-6230-0	44	44	A	925	
1Z2	1.4	BS-0X00-0	0	50	F	----	
2A3	2.5	ER-3200-0	68	81	A	3000	
2A5	2.5	GR-4235-0	23	70	A	1800	
2A6	2.5	GR-X205-0	14	31	A	750	TRIODE SECTION.
2A6	2.5	GR-0405-0	0	26	C	----	DIODE NO. 1.
2A6	2.5	GR-0305-0	0	26	C	----	DIODE NO. 2.
2A7	2.5	HR-X236-5	11	43	B	900	PENTODE SECTION.
2A7	2.5	HR-5436-X	11	26	B	700	OSC. SECTION.
2B3	1.4	HS-0X00-0	0	80	F	----	OK ABOVE DIODES OK.
2B6	2.5	HR-4236-0	0	62	A	1400	
2B7	2.5	HR-X236-0	20	48	A	1000	PENTODE SECTION.
2B7	2.5	HR-0506-0	0	32	C	----	DIODE NO. 1.
2B7	2.5	HR-0406-0	0	32	C	----	DIODE NO. 2.
2B23	6.3	HS-0308-0	0	20	G	----	
2C21	6.3	HR-4506-0	35	62	A	1375	TRIODE NO. 1.
2C21	6.3	HR-X302-0	35	62	A	1375	TRIODE NO. 2.
2C45	7.5	ER-3200-0	37	75	A	2000	
2C50	12.6	HY-1203-0	41	70	A	1800	TRIODE NO. 1.
2C50	12.6	HY-4506-0	41	70	A	1800	TRIODE NO. 2.
2C52	12.6	HY-4506-2	12	48	A	1000	TRIODE NO. 1.
2C52	12.6	HY-1203-5	12	48	A	1000	TRIODE NO. 2.
2C53	6.3	HS-5X08-0	11	0	A	125	OK ABOVE 350 ON 3000 SCALE.
2DZ4	2.5	ET-2105-0	35	87	A	4000	

TUBE TYPE	FIL.	SELECTORS	BIAS	SHUNT	FUNCT.	MUT. COND	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
2E5	2.5	GR-3405-0	100	100	A	----	EYE OPEN.
2E5	2.5	GR-3425-0	100	100	A	----	EYE CLOSED.
2E22	6.3	FR-3X24-0	40	75	A	2200	
2E24	6.3	HS-5X30-0	35	82	A	3200	
2E25	6.3	HS-5X40-8	20	77	A	2400	
2E26	6.3	HS-5X31-8	37	84	A	3500	
2E30	6.3	ET-1560-2	14	81	A	3000	
2E31	1.1	DV-4120-0	20	0	B	500	
2E32	1.1	DV-4120-0	20	0	B	500	
2E35	1.1	DV-4120-0	23	0	B	500	
2E36	1.1	DV-4120-0	23	0	B	500	
2E41	1.1	EW-5120-0	26	73	B	375	PENTODE SECTION. OK ABOVE 250.
2E41	1.1	EW-0300-0	0	0	C	----	DIODE SECTION. OK ABOVE 250 ON 3000 SCALE.
2E42	1.1	EW-5120-0	26	73	B	375	PENTODE SECTION. OK ABOVE 250.
2E42	1.1	EW-0300-0	0	0	C	----	DIODE SECTION. OK ABOVE 250 ON 3000 SCALE.
2EA5	2.5	ET-1562-0	11	86	A	4000	
2E55	2.5	ET-2501-0	10	87	A	4600	
2EV5	2.5	ET-1562-0	21	87	A	4000	
2FV6	2.5	ET-1567-2	12	85	A	3800	
2G21	1.1	EX-3265-1	51	0	F	----	HEPTODE SECTION. OK ABOVE DIODES OK.
2G21	1.1	EX-3100-0	47	0	F	----	TRIODE SECTION.
2G22	1.1	EX-3265-1	51	0	F	----	HEPTODE SECTION. OK ABOVE DIODES OK.
2G22	1.1	EX-3100-0	47	0	F	----	TRIODE SECTION.
2V2	2.5	HS-0X00-0	0	68	F	----	
2V3	2.5	HS-0X00-0	0	75	F	----	
2X2A	2.5	ER-0X00-0	0	87	F	----	
2Z2	2.5	ER-0200-0	0	0	D	----	
3A4	2.5	BX-4230-0	36	67	A	1600	
3A5	3.0	HR-5600-0	35	73	A	2000	TRIODE NO. 1.
3A5	3.0	BX-3200-0	35	73	A	2000	TRIODE NO. 2.
3A8	2.5	HS-X340-0	17	31	A	750	PENTODE SECTION.
3A8	2.5	HS-5600-0	11	0	A	300	TRIODE SECTION. OK ABOVE DIODES OK.
3A8	2.5	HS-0800-0	0	32	C	----	DIODE SECTION.
3B5	2.5	HS-5340-0	32	65	B	1500	
3B7	2.5	BY-6700-0	27	65	A	1500	TRIODE NO. 1.
3B7	2.5	JR-3200-0	27	65	A	1500	TRIODE NO. 2.
3C2	3.0	HS-0X00-0	0	88	F	----	OK ABOVE DIODES OK.
3C6	2.5	BY-5600-0	10	53	A	1100	TRIODE NO. 1.
3C6	2.5	JR-4300-0	10	53	A	1100	TRIODE NO. 2.
3CF6	3.0	ET-1562-7	11	81	A	3000	
3D6	2.5	JR-6230-0	36	74	A	2100	
3E5	2.5	BX-6235-0	28	56	B	1200	
3E6	3.0	JR-6234-0	15	69	A	1750	
3E55	3.0	ET-2501-0	10	87	A	4600	
3FQ5	3.0	ET-2507-0	19	87	A	4500	
3FQ5A	3.0	ET-2507-0	19	89	A	5200	
3GS8	3.0	EV-7821-9	0	38	F	----	PENTODE NO. 1. OK ABOVE 500 ON 3000 SCALE.
3GS8	3.0	EV-7321-6	0	38	F	----	PENTODE NO. 2. OK ABOVE 500 ON 3000 SCALE.
3GU5	3.0	ET-1562-0	13	89	A	5500	
3HM6	3.0	EV-2781-9	11	87	A	4700	
3HS8	3.0	EV-7821-9	10	15	A	600	PENTODE NO. 1.
3HS8	3.0	EV-7321-6	10	15	A	600	PENTODE NO. 2.
3HT6	3.0	EV-2781-9	10	87	A	4600	
3LE4	2.5	JR-6230-0	55	53	A	1100	
3LF4	2.5	JR-6230-0	27	67	A	1600	
3Q4	3.0	HR-3240-0	15	75	A	2150	
3Q5	2.5	HS-5340-0	34	70	A	1800	
3S4	2.5	HR-3240-0	24	65	B	1500	
4A6	3.0	HS-5600-0	25	48	A	1000	TRIODE NO. 1.
4A6	3.0	CX-4300-0	25	48	A	1000	TRIODE NO. 2.
4BA6	4.3	ET-1567-2	11	72	A	1900	
4BE6	4.3	ET-7562-1	0	35	B	800	AMPL. SECTION. MAKE NO GAS TEST.
4BE6	4.3	ET-1602-7	20	90	A	6500	OSC. SECTION. MAKE GAS TEST.
4BX8	4.3	EV-7608-9	26	82	A	3200	TRIODE NO. 1.
4BX8	4.3	EV-2103-9	26	82	A	3200	TRIODE NO. 2.
4BZ8	4.3	EV-7608-9	20	88	A	5000	TRIODE NO. 1.

SEE NEXT PAGE FOR CONTINUATION

TUBE TYPE	FIL.	SELECTORS	BIAS	SHUNT	FUNCT.	MUT. COND	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
4BZ8	4.3	EV-2103-9	20	88	A	5000	TRIODE NO. 2.
4CE5	4.3	ET-1562-0	11	81	A	3000	
4GW5	4.3	ET-2105-0	20	88	A	5000	
5A6	5.0	EV-7160-3	41	81	A	3000	
5AS4	5.0	JS-0600-0	0	70	D	----	PLATE NO. 1.
5AS4	5.0	JS-0400-0	0	65	D	----	PLATE NO. 2.
5AW4	6.3	JS-0600-4	0	74	D	----	PLATE NO. 1.
5AW4	6.3	JS-0400-6	0	68	D	----	PLATE NO. 2.
5AX4	5.0	JS-0600-0	0	22	D	----	PLATE NO. 1.
5AX4	5.0	JS-0400-0	0	18	D	----	PLATE NO. 2.
5AZ4	5.0	JS-0600-4	0	22	D	----	PLATE NO. 1.
5AZ4	5.0	JS-0400-6	0	18	D	----	PLATE NO. 2.
5BS8	5.0	EV-7608-9	19	87	A	4500	TRIODE NO. 1.
5BS8	5.0	EV-2103-9	19	87	A	4500	TRIODE NO. 2.
5BZ7	5.0	EV-7608-9	16	87	A	4500	TRIODE NO. 1.
5BZ7	5.0	EV-2103-9	16	87	A	4500	TRIODE NO. 2.
5CM6	5.0	EV-3917-0	11	86	A	4100	
5CR8	5.0	EV-2673-8	10	83	A	3100	PENTODE SECTION.
5CR8	5.0	EV-9108-0	18	86	A	4000	TRIODE SECTION.
5CU4	5.0	JS-0601-0	0	90	D	----	PLATE NO. 1.
5CU4	5.0	JS-0401-0	0	90	D	----	PLATE NO. 2.
5EH8	5.0	EV-7986-0	15	75	A	2300	PENTODE SECTION.
5EH8	5.0	EV-2301-0	20	87	A	4600	TRIODE SECTION.
5T4	5.0	JS-0600-0	0	70	D	----	PLATE NO. 1.
5T4	5.0	JS-0400-0	0	60	D	----	PLATE NO. 2.
5W4	5.0	JS-0600-0	0	22	D	----	PLATE NO. 1.
5W4	5.0	JS-0400-0	0	18	D	----	PLATE NO. 2.
5X4	5.0	HY-0500-0	0	45	D	----	PLATE NO. 1.
5X4	5.0	HY-0300-0	0	35	D	----	PLATE NO. 2.
5Y4	5.0	HY-0500-0	0	22	D	----	PLATE NO. 1.
5Y4	5.0	HY-0300-0	0	18	D	----	PLATE NO. 2.
5Z3	5.0	ER-0300-0	0	45	D	----	PLATE NO. 1.
5Z3	5.0	ER-0200-0	0	35	D	----	PLATE NO. 2.
5Z4	5.0	JS-0600-0	0	89	D	----	PLATE NO. 1.
5Z4	5.0	JS-0400-0	0	89	D	----	PLATE NO. 2.
6A3	6.3	ER-3200-0	66	81	A	3000	
6A4	6.3	FR-3240-0	22	73	A	2000	
6A5	6.3	HS-5300-0	69	81	A	3000	
6A6	6.3	HR-5604-0	15	65	A	1500	TRIODE NO. 1.
6A6	6.3	HR-3204-0	15	65	A	1500	TRIODE NO. 2.
6A7	6.3	HR-X236-5	11	43	B	900	PENTODE SECTION.
6A7	6.3	HR-5436-X	11	26	B	700	OSC. SECTION.
6A8	6.3	HS-X348-5	11	43	B	900	PENTODE SECTION.
6A8	6.3	HS-5648-X	11	26	B	700	OSC. SECTION.
6AB5	6.3	GR-3405-0	100	100	A	----	EYE OPEN.
6AB5	6.3	GR-3425-0	100	100	A	----	EYE CLOSED.
6AB6	6.3	HS-5348-0	11	61	A	1350	
6AB7	6.3	HS-4865-3	11	81	A	3000	
6AB8	6.3	EV-9683-7	18	83	A	3300	PENTODE SECTION.
6AB8	6.3	EV-2103-0	27	61	A	1350	TRIODE SECTION.
6AC5	6.3	HS-5308-0	11	26	A	700	
6AC6	6.3	HS-5348-0	11	76	A	2300	
6AD4	6.3	DW-1805-0	21	48	A	1000	
6AD6	6.3	HS-4358-0	100	100	A	----	EYE 1 OPEN. EYE 2 CLOSED.
6AD6	6.3	HS-3458-0	100	100	A	----	EYE 2 OPEN. EYE 1 CLOSED.
6AD7	6.3	HS-5348-6	23	73	A	2000	PENTODE SECTION.
6AD7	6.3	HS-1608-3	11	15	A	600	TRIODE SECTION.
6AE5	6.3	HS-5308-0	67	56	A	1200	
6AE6	6.3	HS-5408-0	15	26	A	700	TRIODE NO. 1.
6AE6	6.3	HS-5308-0	15	35	A	800	TRIODE NO. 2.
6AE7	6.3	HS-6308-4	32	65	A	1500	TRIODE NO. 1.
6AE7	6.3	HS-4305-6	32	65	A	1500	TRIODE NO. 2.
6AF5	6.3	HS-5308-0	49	65	A	1500	
6AF6	6.3	HS-4358-0	100	100	A	----	EYE ONE OPEN. EYE TWO CLOSED.
6AF6	6.3	HS-3458-0	100	100	A	----	EYE TWO OPEN. EYE ONE CLOSED.
6AH4	6.3	HS-1508-0	45	87	A	4500	
6AH6	6.3	ET-1567-2	11	81	A	3000	

TUBE TYPE	FIL.	SELECTORS	BIAS	SHUNT	FUNCT.	MUT. COND	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
6AH7	6.3	HY-5604-3	22	77	A	2400	TRIODE NO. 1.
6AH7	6.3	HY-1302-6	22	77	A	2400	TRIODE NO. 2.
6AJ4	6.3	JX-1502-0	21	91	A	7000	
6AJ5	6.3	ET-1562-0	10	80	B	2750	
6AK4	6.3	DW-1805-7	25	85	A	3800	
6AL7	6.3	HS-6358-0	--	100	A	----	BIAS CONTROLS LEFT PATTERN. BIAS = VARY.
6AL7	6.3	HS-5348-0	--	100	A	----	BIAS CONTROLS BOTH PATTERNS. BIAS = VARY.
6AL7	6.3	HS-4358-0	--	100	A	----	BIAS CONTROLS RIGHT PATTERN. BIAS = VARY.
6AM4	6.3	JX-1502-0	14	86	A	4000	
6AN6	6.3	HR-0506-0	0	65	C	----	DIODE NO. 1.
6AN6	6.3	HR-0406-0	0	65	C	----	DIODE NO. 2.
6AN6	6.3	HR-0306-0	0	65	C	----	DIODE NO. 3.
6AN6	6.3	HR-0206-0	0	65	C	----	DIODE NO. 4.
6AQ6	6.3	ET-1702-0	11	55	A	1150	TRIODE SECTION.
6AQ6	6.3	ET-0602-0	0	26	C	----	DIODE NO. 1.
6AQ6	6.3	ET-0502-0	0	26	C	----	DIODE NO. 2.
6AQ7	6.3	HY-4506-0	13	48	A	1000	TRIODE SECTION.
6AQ7	6.3	HY-0102-0	0	52	C	----	DIODE NO. 1.
6AQ7	6.3	HY-0302-0	0	52	C	----	DIODE NO. 2.
6AR5	6.3	ET-1562-0	34	67	A	1600	
6AR6	6.3	GY-7351-0	21	89	A	5400	
6AR8	6.3	EV-6937-2	11	72	A	1900	PLATE NO. 1.
6AR8	6.3	EV-6837-2	11	72	A	1900	PLATE NO. 2.
6AS5	6.3	ET-2761-0	11	89	B	5600	
6AU7	6.3	EV-7608-0	24	75	A	2200	TRIODE NO. 1.
6AU7	6.3	EV-2103-0	24	75	A	2200	TRIODE NO. 2.
6AV5	6.3	HS-1583-0	42	89	A	3900	
6AW7	6.3	HY-2601-0	11	27	A	700	TRIODE SECTION.
6AW7	6.3	HY-0305-0	0	76	C	----	DIODE NO. 1.
6AW7	6.3	HY-0401-0	0	76	C	----	DIODE NO. 2.
6AX6	6.3	HS-0508-0	0	88	D	----	PLATE NO. 1.
6AX6	6.3	HS-0304-0	0	88	D	----	PLATE NO. 2.
6AX7	6.3	EV-7608-0	12	58	A	1250	TRIODE NO. 1.
6AX7	6.3	EV-2103-0	12	58	A	1250	TRIODE NO. 2.
6AX8	6.3	EV-2637-0	11	73	A	2000	PENTODE SECTION.
6AX8	6.3	EV-9108-0	12	90	A	6200	TRIODE SECTION.
6AZ5	6.3	DW-0807-0	0	74	C	----	DIODE NO. 1.
6AZ5	6.3	DW-0102-0	0	74	C	----	DIODE NO. 2.
6AZ6	6.3	DW-0204-8	0	78	C	----	DIODE NO. 1.
6AZ6	6.3	DW-0705-8	0	78	C	----	DIODE NO. 2.
6B4	6.3	HS-5300-0	66	81	A	3000	
6B5	6.3	GR-4235-0	11	59	A	1300	
6B6	6.3	HS-X308-0	14	31	A	750	TRIODE SECTION.
6B6	6.3	HS-0508-0	0	26	C	----	DIODE NO. 1.
6B6	6.3	HS-0408-0	0	26	C	----	DIODE NO. 2.
6B7	6.3	HR-X236-0	22	48	A	1000	PENTODE SECTION.
6B7	6.3	HR-0506-0	0	38	C	----	DIODE NO. 1.
6B7	6.3	HR-0406-0	0	38	C	----	DIODE NO. 2.
6BD5	6.3	HS-1583-0	11	88	A	5000	
6BD6	6.3	ET-1567-2	11	73	A	2000	
6BE7	6.3	EV-7163-9	29	48	A	1000	
6BE8	6.3	EV-9678-3	11	73	A	2000	PENTODE SECTION.
6BE8	6.3	EV-1203-0	12	90	A	6200	TRIODE SECTION.
6BF5	6.3	ET-1562-0	44	83	A	3400	
6BF6	6.3	ET-1702-0	19	72	A	1900	TRIODE SECTION.
6BF6	6.3	ET-0602-0	0	26	C	----	DIODE NO. 1.
6BF6	6.3	ET-0502-0	0	26	C	----	DIODE NO. 2.
6BF7	6.3	DW-7805-0	22	78	A	2500	TRIODE NO. 1.
6BF7	6.3	DW-2104-0	22	78	A	2500	TRIODE NO. 2.
6BF8	6.3	EV-0906-0	0	78	C	----	DIODE NO. 1.
6BF8	6.3	EV-0806-0	0	78	C	----	DIODE NO. 2.
6BF8	6.3	EV-0706-0	0	78	C	----	DIODE NO. 3.
6BF8	6.3	EV-0306-0	0	78	C	----	DIODE NO. 4.
6BF8	6.3	EV-0206-0	0	78	C	----	DIODE NO. 5.
6BF8	6.3	EV-0106-0	0	78	C	----	DIODE NO. 6.
6BG6	6.3	HS-5X83-0	12	90	A	6000	
6BG7	6.3	DW-7805-0	22	78	A	2500	TRIODE NO. 1.

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TUBE TYPE	FIL.	SELECTORS	BIAS	SHUNT	FUNCT.	MUT. COND	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
6BG7	6.3	DW-2104-0	22	78	A	2500	TRIODE NO. 2.
6BJ6	6.3	ET-1562-7	11	72	A	1900	
6BK5	6.3	EV-3186-0	11	88	A	5000	
6BK6	6.3	ET-1702-5	11	35	A	800	TRIODE SECTION.
6BK6	6.3	ET-0602-0	0	57	C	----	DIODE NO. 1.
6BK6	6.3	ET-0502-0	0	57	C	----	DIODE NO. 2.
6BL4	6.3	HY-0503-0	0	91	D	----	
6BS8	6.3	EV-7608-9	19	87	A	4500	TRIODE NO. 1.
6BS8	6.3	EV-2103-9	19	87	A	4500	TRIODE NO. 2.
6BT6	6.3	ET-1702-0	12	60	A	1300	TRIODE SECTION.
6BT6	6.3	ET-0602-0	0	57	C	----	DIODE NO. 1.
6BT6	6.3	ET-0502-0	0	57	C	----	DIODE NO. 2.
6BT8	6.3	EV-8679-0	19	75	A	2200	PENTODE SECTION.
6BT8	6.3	EV-0103-0	0	63	C	----	DIODE NO. 1.
6BT8	6.3	EV-0203-0	0	63	C	----	DIODE NO. 2.
6BU6	6.3	ET-1702-0	28	65	A	1500	TRIODE SECTION.
6BU6	6.3	ET-0602-0	0	50	C	----	DIODE NO. 1.
6BU6	6.3	ET-0502-0	0	50	C	----	DIODE NO. 2.
6BV8	6.3	EV-2301-0	21	89	A	5600	TRIODE SECTION.
6BV8	6.3	EV-0907-0	0	78	C	----	DIODE NO. 1.
6BV8	6.3	EV-0608-0	0	78	C	----	DIODE NO. 2.
6BW4	6.3	EV-0709-1	0	20	D	----	PLATE NO. 1.
6BW4	6.3	EV-0109-7	0	20	D	----	PLATE NO. 2.
6BX6	6.3	EV-2781-9	10	86	A	4200	
6BX7	6.3	HY-4506-2	33	92	A	7600	TRIODE NO. 1.
6BX7	6.3	HY-1203-5	33	92	A	7600	TRIODE NO. 2.
6BX8	6.3	EV-7608-9	26	82	A	3200	TRIODE NO. 1.
6BX8	6.3	EV-2103-9	26	82	A	3200	TRIODE NO. 2.
6BY5	6.3	HS-0508-0	0	70	D	----	PLATE NO. 1.
6BY5	6.3	HS-0401-0	0	70	D	----	PLATE NO. 2.
6BZ8	6.3	EV-7608-9	20	88	A	5000	TRIODE NO. 1.
6BZ8	6.3	EV-2103-9	20	88	A	5000	TRIODE NO. 2.
6C5	6.3	HS-5308-0	23	73	A	2000	
6C6	6.3	GR-X235-4	20	57	A	1225	
6C7	6.3	HR-X206-0	24	58	A	1250	TRIODE SECTION.
6C7	6.3	HR-0506-0	0	30	C	----	DIODE NO. 1.
6C7	6.3	HR-0406-0	0	30	C	----	DIODE NO. 2.
6C8	6.3	HS-5608-0	20	48	A	1000	TRIODE NO. 1.
6C8	6.3	HS-X304-0	20	48	A	1000	TRIODE NO. 2.
6CF6	6.3	ET-1562-7	11	81	A	3000	
6CH7	6.3	EV-7608-0	16	87	A	4500	TRIODE NO. 1.
6CH7	6.3	EV-2103-0	16	87	A	4500	TRIODE NO. 2.
6CH8	6.3	EV-7236-0	11	81	A	3000	PENTODE SECTION.
6CH8	6.3	EV-8901-0	24	83	A	3300	TRIODE SECTION.
6CJ6	6.3	EV-2X73-1	51	87	A	4600	
6CK4	6.3	HS-1508-0	53	87	A	4600	
6CK6	6.3	EV-2713-6	11	89	A	5500	
6CM8	6.3	EV-2673-0	11	81	A	3000	PENTODE SECTION.
6CM8	6.3	EV-9108-0	12	65	A	1500	TRIODE SECTION.
6CR6	6.3	ET-7561-2	12	72	A	1950	PENTODE SECTION.
6CR6	6.3	ET-0201-0	0	45	C	----	DIODE SECTION.
6CR8	6.3	EV-2673-8	10	83	A	3100	PENTODE SECTION.
6CR8	6.3	EV-9108-0	18	86	A	4000	TRIODE SECTION.
6CU6	6.3	HS-5X48-0	42	89	A	5500	
6D4	6.3	ET-1705-0	--	94	F	----	STRIKES AT ABOUT 58. NOTE 2.
6D5	6.3	HS-5308-0	52	73	A	2000	
6D6	6.3	GR-X235-4	13	67	A	1600	
6D7	6.3	HR-X236-4	22	57	A	1225	
6D8	6.3	HS-X348-5	11	43	B	900	PENTODE SECTION.
6D8	6.3	HS-5648-X	11	26	B	700	OSC. SECTION. OK ABOVE 190.
6DA6	6.3	EV-2783-9	13	78	A	2500	
6DA7	6.3	EV-7608-0	18	79	A	2600	TRIODE NO. 1.
6DA7	6.3	EV-3109-0	55	87	A	4500	TRIODE NO. 2.
6DB6	6.3	ET-1562-7	10	69	A	1700	GRID NO. 1.
6DB6	6.3	ET-7562-1	15	42	B	900	GRID NO. 3.
6DN6	6.3	HS-5X83-0	28	93	B	9000	



TUBE TYPE	FIL.	SELECTORS	BIAS	SHUNT	FUNCT.	MUT. COND	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
6DW5	6.3	EV-3917-0	42	89	A	5500	
6DX4	6.3	ET-2105-0	29	85	A	3800	
6E5	6.3	GR-3405-0	100	100	A	----	EYE OPEN.
6E5	6.3	GR-3425-0	100	100	A	----	EYE CLOSED.
6E6	6.3	HR-5604-0	51	62	A	1400	TRIODE NO. 1.
6E6	6.3	HR-3204-0	51	62	A	1400	TRIODE NO. 2.
6E7	6.3	HR-X236-4	17	65	A	1500	
6F4	6.3	HS-1306-0	29	90	A	6000	USE ADAPTER SA-7, 1050-9.
6F5	6.3	HS-X408-1	12	48	A	1000	
6F6	6.3	HS-5348-1	23	70	A	1800	
6F7	6.3	HR-X236-5	25	53	A	1100	PENTODE SECTION.
6F7	6.3	HR-5406-2	38	0	A	500	TRIODE SECTION.
6F8	6.3	HS-5608-0	23	79	A	2600	TRIODE NO. 1.
6F8	6.3	HS-X304-0	23	79	A	2600	TRIODE NO. 2.
6FH6	6.3	HS-5X48-0	25	90	B	6000	
6FR7	6.3	EV-7608-0	10	66	A	1500	TRIODE NO. 1.
6FR7	6.3	EV-3109-0	60	90	A	7000	TRIODE NO. 2.
6FW8	6.3	EV-7608-0	22	92	A	6300	TRIODE NO. 1.
6FW8	6.3	EV-2103-0	22	92	A	6300	TRIODE NO. 2.
6G5	6.3	GR-3405-0	100	100	A	----	EYE OPEN.
6G5	6.3	GR-3425-0	100	100	A	----	EYE CLOSED.
6G6	6.3	HS-5348-0	23	74	A	2100	
6GC6	6.3	HS-5X83-0	45	90	A	6000	
6GD7	6.3	EV-9678-0	10	85	A	4000	PENTODE SECTION.
6GD7	6.3	EV-1203-0	20	87	A	4700	TRIODE SECTION.
6GS8	6.3	EV-7821-9	0	38	F	----	PENTODE NO. 1. OK ABOVE 500 ON 3000 SCALE.
6GS8	6.3	EV-7321-6	0	38	F	----	PENTODE NO. 2. OK ABOVE 500 ON 3000 SCALE.
6GW5	6.3	ET-2105-0	20	88	A	5000	
6H4	6.3	HS-0408-0	0	70	C	----	DIODE.
6H5	6.3	GR-3405-0	100	100	A	----	EYE OPEN.
6H5	6.3	GR-3425-0	100	100	A	----	EYE CLOSED.
6H6	6.3	HS-0508-0	0	70	C	----	DIODE NO. 1.
6H6	6.3	HS-0304-0	0	70	C	----	DIODE NO. 2.
6J5	6.3	HS-5308-0	23	79	A	2600	
6J7	6.3	HS-X348-5	19	57	A	1225	
6J8	6.3	HS-5348-X	28	15	A	600	HEPTODE SECTION.
6J8	6.3	HS-5608-4	18	67	A	1600	TRIODE SECTION.
6JA8	6.3	EV-7986-0	11	89	A	5200	TETRUDE SECTION.
6JA8	6.3	EV-2301-0	22	71	A	1850	TRIODE SECTION.
6K4	6.3	DU-2105-0	31	82	A	3200	
6K5	6.3	HS-X308-0	15	62	A	1400	
6K7	6.3	HS-X348-5	18	63	A	1450	
6K8	6.3	HS-5348-X	11	31	A	750	HEXODE SECTION.
6K8	6.3	HS-5608-4	11	77	A	2400	TRIODE SECTION.
6KS8	6.3	EV-7986-0	16	87	A	4500	PENTODE SECTION.
6KS8	6.3	EV-2301-0	20	69	A	1700	TRIODE SECTION.
6L4	6.3	HS-1306-0	29	81	A	3000	USE ADAPTER SA-7, 1050-9.
6L5	6.3	HS-5308-0	28	65	A	1500	
6L7	6.3	HS-X348-5	11	0	B	500	CAP GRID.
6L7	6.3	HS-5348-X	11	26	B	700	PIN GRID.
6M3	6.3	JS-030X-0	0	91	D	----	
6N4	6.3	ET-1502-0	11	87	A	4500	
6N5	6.3	GR-3405-0	100	100	A	----	EYE OPEN.
6N5	6.3	GR-3425-0	100	100	A	----	EYE CLOSED.
6N6	6.3	HS-5348-0	11	59	A	1300	
6N7	6.3	HS-5608-3	17	65	A	1500	TRIODE NO. 1.
6N7	6.3	HS-4308-6	17	65	A	1500	TRIODE NO. 2.
6N8	6.3	EV-2613-9	10	75	A	2200	PENTODE SECTION.
6N8	6.3	EV-0703-0	0	25	C	----	DIODE NO. 1.
6N8	6.3	EV-0803-0	0	25	C	----	DIODE NO. 2.
6P5	6.3	HS-5308-0	29	63	A	1450	
6P7	6.3	CT-X458-6	25	53	A	1100	PENTODE SECTION.
6P7	6.3	CT-7608-4	38	0	A	500	TRIODE SECTION.
6Q4	6.3	EV-1903-0	13	88	A	5000	
6Q5	6.3	HS-5308-0	--	94	F	----	NOTE 2. STRIKES AT ABOUT 45.
6Q6	6.3	HS-X308-0	16	48	A	1000	TRIODE SECTION.
6Q6	6.3	HS-0508-0	0	27	C	----	DIODE NO. 1.

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TUBE TYPE	FIL.	SELECTORS	BIAS	SHUNT	FUNCT.	MUT. COND.	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
6Q6	6.3	HS-0408-0	0	27	C	----	DIODE NO. 2.
6Q7	6.3	HS-X308-1	17	35	A	800	TRIODE SECTION.
6Q7	6.3	HS-0508-0	0	27	C	----	DIODE NO. 1.
6Q7	6.3	HS-0408-0	0	27	C	----	DIODE NO. 2.
6R7	6.3	HS-X308-1	22	72	A	1900	TRIODE SECTION.
6R7	6.3	HS-0508-0	0	30	C	----	DIODE NO. 1.
6R7	6.3	HS-0408-0	0	30	C	----	DIODE NO. 2.
6R8	6.3	EV-8907-2	24	72	A	1900	TRIODE SECTION.
6R8	6.3	EV-0107-0	0	77	C	----	DIODE NO. 1.
6R8	6.3	EV-0607-0	0	77	C	----	DIODE NO. 2.
6R8	6.3	EV-0203-0	0	77	C	----	DIODE NO. 3.
6S7	6.3	HS-X348-5	22	58	A	1250	
6S8	6.3	HY-X602-0	11	26	A	700	TRIODE SECTION.
6S8	6.3	HY-0305-0	0	32	C	----	DIODE NO. 1.
6S8	6.3	HY-0402-0	0	32	C	----	DIODE NO. 2.
6S8	6.3	HY-0102-0	0	32	C	----	DIODE NO. 3.
6SA7	6.3	HS-5346-8	--	--	-	----	USE THIS SETTING FOR SHORT CHECK ONLY.
6SA7	6.3	HS-5406-8	30	81	A	3000	DISREGARD SHORTS.
6SB7	6.3	HS-5346-8	--	--	-	----	USE THIS SETTING FOR SHORT CHECK ONLY.
6SB7	6.3	HS-5406-8	27	85	A	4000	DISREGARD SHORTS.
6SC7	6.3	HY-4506-2	9	48	A	1000	TRIODE NO. 1.
6SC7	6.3	HY-3206-5	9	48	A	1000	TRIODE NO. 2.
6SD7	6.3	HS-4865-3	11	77	A	2400	
6SF5	6.3	HY-3502-1	13	48	A	1000	
6SF7	6.3	HY-2643-1	11	65	A	1500	PENTODE SECTION.
6SF7	6.3	HY-0503-0	0	25	C	----	DIODE SECTION.
6SG7	6.3	HS-4865-1	11	73	A	2000	
6SH7	6.3	HS-4865-1	11	77	A	2400	
6SJ7	6.3	HS-4865-3	11	68	A	1650	
6SK7	6.3	HS-4865-3	12	73	A	2000	
6SL7	6.3	HY-4506-2	11	48	A	1000	TRIODE NO. 1.
6SL7	6.3	HY-1203-5	11	48	A	1000	TRIODE NO. 2.
6SQ7	6.3	HY-2603-1	11	27	A	700	TRIODE SECTION.
6SQ7	6.3	HY-0503-0	0	30	C	----	DIODE NO. 1.
6SQ7	6.3	HY-0403-0	0	30	C	----	DIODE NO. 2.
6SR7	6.3	HY-2603-1	23	72	A	1900	TRIODE SECTION.
6SR7	6.3	HY-0503-0	0	30	C	----	DIODE NO. 1.
6SR7	6.3	HY-0403-0	0	30	C	----	DIODE NO. 2.
6SS7	6.3	HS-4865-3	13	71	A	1850	
6ST7	6.3	HY-2603-1	20	72	A	1900	TRIODE SECTION.
6ST7	6.3	HY-0503-0	0	0	C	----	DIODE NO. 1.
6ST7	6.3	HY-0403-0	0	0	C	----	DIODE NO. 2.
6SU7	6.3	HY-4506-2	11	48	A	1000	TRIODE NO. 1.
6SU7	6.3	HY-1203-5	11	48	A	1000	TRIODE NO. 2.
6SV7	6.3	HY-2643-0	11	69	A	1700	PENTODE SECTION.
6SV7	6.3	HY-0503-0	0	73	C	----	DIODE SECTION.
6SZ7	6.3	HY-2603-1	11	56	A	1200	TRIODE SECTION.
6SZ7	6.3	HY-0503-0	0	15	C	----	DIODE NO. 1.
6SZ7	6.3	HY-0403-0	0	15	C	----	DIODE NO. 2.
6T5	6.3	GR-3405-0	100	100	A	----	EYE OPEN.
6T5	6.3	GR-3425-0	100	100	A	----	EYE CLOSED.
6T7	6.3	HS-X308-0	15	48	A	1000	TRIODE SECTION.
6T7	6.3	HS-0508-0	0	30	C	----	DIODE NO. 1.
6T7	6.3	HS-0408-0	0	30	C	----	DIODE NO. 2.
6U3	6.3	EV-0903-0	0	88	D	----	
6U4	6.3	HY-0503-0	0	85	D	----	
6U5	6.3	GR-3405-0	100	100	A	----	EYE OPEN.
6U5	6.3	GR-3425-0	100	100	A	----	EYE CLOSED.
6U6	6.3	HS-5348-0	31	86	A	4200	
6U7	6.3	HS-X348-5	15	67	A	1600	
6V4	6.3	EV-0703-1	0	25	D	----	PLATE NO. 1.
6V4	6.3	EV-0103-7	0	25	D	----	PLATE NO. 2.
6V5	6.3	HY-5340-0	40	86	A	4100	
6V7	6.3	HS-X308-0	42	47	A	975	TRIODE SECTION.
6V7	6.3	HS-0508-0	0	35	C	----	DIODE NO. 1.
6V7	6.3	HS-0408-0	0	35	C	----	DIODE NO. 2.
6V8	6.3	EV-6103-8	13	56	A	1200	TRIODE SECTION.

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TUBE TYPE	FIL.	SELECTORS	BIAS	SHUNT	FUNCT.	MUT. COND	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
6V8	6.3	EV-0903-0	0	40	C	----	DIODE NO. 1.
6V8	6.3	EV-0708-0	0	80	C	----	DIODE NO. 2.
6V8	6.3	EV-0203-0	0	80	C	----	DIODE NO. 3.
6W7	6.3	HS-X348-5	20	57	A	1225	
6Y5	6.3	GR-0504-0	0	88	D	----	PLATE NO. 1.
6Y5	6.3	GR-0304-0	0	88	D	----	PLATE NO. 2.
6Y6	6.3	HS-5348-0	28	88	A	5000	
6Y7	6.3	HS-5608-3	10	48	A	1000	TRIODE NO. 1.
6Y7	6.3	HS-4308-6	10	48	A	1000	TRIODE NO. 2.
6Z7	6.3	HS-5608-0	10	56	A	1200	TRIODE NO. 1.
6Z7	6.3	HS-4308-0	10	56	A	1200	TRIODE NO. 2.
6ZY5	6.3	HS-0508-0	0	30	D	----	PLATE NO. 1.
6ZY5	6.3	HS-0308-0	0	30	D	----	PLATE NO. 2.
7A4	6.3	JR-6207-0	23	79	A	2600	
7A5	6.3	JR-6237-0	30	85	A	4000	
7A6	6.3	JR-0607-5	0	70	C	----	DIODE NO. 1.
7A6	6.3	JR-0302-5	0	70	C	----	DIODE NO. 2.
7A7	6.3	JR-6237-4	12	73	A	2000	
7A8	6.3	JR-4537-6	45	48	A	1000	SECTION NO. 1.
7A8	6.3	JR-4257-6	40	0	A	500	SECTION NO. 2.
7AB7	6.3	HS-5314-0	11	60	A	1300	
7AD7	6.3	JR-6237-4	11	85	A	4000	
7AF7	6.3	JR-5607-0	23	79	A	2600	TRIODE NO. 1.
7AF7	6.3	JR-4302-0	23	79	A	2600	TRIODE NO. 2.
7AG7	6.3	JR-6237-4	11	62	A	1400	
7AH7	6.3	JR-6237-4	11	69	A	1700	
7AJ7	6.3	JR-6237-4	12	76	A	2275	
7AK7	6.3	JR-6237-4	11	65	A	1500	
784	6.3	JR-6207-0	11	48	A	1000	
785	6.3	JR-6237-0	34	67	A	1600	
786	6.3	JR-3207-0	11	27	A	700	TRIODE SECTION.
786	6.3	JR-0607-0	0	30	C	----	DIODE NO. 1.
786	6.3	JR-0507-0	0	30	C	----	DIODE NO. 2.
787	6.3	JR-6237-4	17	69	A	1700	
788	6.3	JR-6257-4	11	43	B	900	PENTODE SECTION.
788	6.3	JR-4357-6	11	26	B	700	OSC. SECTION.
7C4	6.3	JR-0407-0	0	70	C	----	DIODE.
7C5	6.3	JR-6237-0	20	81	A	3000	
7C6	6.3	JR-3207-0	8	0	A	500	TRIODE SECTION.
7C6	6.3	JR-0607-0	0	34	C	----	DIODE NO. 1.
7C6	6.3	JR-0507-0	0	34	C	----	DIODE NO. 2.
7C7	6.3	JR-6237-4	22	60	A	1300	
7E5	6.3	JS-1304-0	17	81	A	3000	
7E6	6.3	JR-3207-0	23	72	A	1900	TRIODE SECTION.
7E6	6.3	JR-0607-0	0	30	C	----	DIODE NO. 1.
7E6	6.3	JR-0507-0	0	30	C	----	DIODE NO. 2.
7E7	6.3	JR-6257-0	22	60	A	1300	PENTODE SECTION.
7E7	6.3	JR-0407-0	0	0	C	----	DIODE NO. 1.
7E7	6.3	JR-0307-0	0	0	C	----	DIODE NO. 2.
7F7	6.3	JR-5607-3	10	60	A	1300	TRIODE NO. 1.
7F7	6.3	JR-4302-6	10	60	A	1300	TRIODE NO. 2.
7F8	6.3	HS-8605-0	11	85	A	3800	TRIODE NO. 1.
7F8	6.3	HS-1304-0	11	85	A	3800	TRIODE NO. 2.
7G7	6.3	JR-6237-4	20	73	A	2000	
7G8	6.3	JR-5736-2	11	70	A	1800	TETRODE NO. 1.
7G8	6.3	JR-4236-7	11	70	A	1800	TETRODE NO. 2.
7H7	6.3	JR-6237-4	11	73	A	2000	
7J7	6.3	JR-6257-4	21	35	A	800	HEPTODE SECTION.
7J7	6.3	JR-4307-5	18	62	A	1400	TRIODE SECTION.
7K7	6.3	JR-4302-0	14	48	A	1000	TRIODE SECTION.
7K7	6.3	JR-0507-0	0	32	C	----	DIODE NO. 1.
7K7	6.3	JR-0607-0	0	32	C	----	DIODE NO. 2.
7L7	6.3	JR-6237-4	12	73	A	2000	
7N7	6.3	JR-5607-3	23	79	A	2600	TRIODE NO. 1.
7N7	6.3	JR-4302-6	23	79	A	2600	TRIODE NO. 2.
7Q7	6.3	JR-6237-4	8	0	B	500	AMPL. SECTION.

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TUBE TYPE	FIL.	SELECTORS	BIAS	SHUNT	FUNCT.	MUT. COND	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
7Q7	6.3	JR-4307-6	11	88	A	5000	OSC. SECTION.
7R7	6.3	JR-6257-0	11	72	A	1900	PENTODE SECTION.
7R7	6.3	JR-0407-0	0	0	C	----	DIODE NO. 1.
7R7	6.3	JR-0307-0	0	0	C	----	DIODE NO. 2.
7S7	6.3	JR-6257-4	15	65	A	1500	HEPTODE SECTION.
7S7	6.3	JR-4307-5	11	65	A	1500	TRIODE SECTION.
7T7	6.3	JR-6237-4	11	73	A	2000	
7V7	6.3	JR-6237-4	11	73	A	2000	
7W7	6.3	JR-6237-5	11	73	A	2000	
7X6	6.3	JR-0607-0	0	80	D	----	PLATE NO. 1.
7X6	6.3	JR-0302-0	0	80	D	----	PLATE NO. 2.
7X7	6.3	JR-3204-0	11	27	A	700	TRIODE SECTION.
7X7	6.3	JR-0504-0	0	77	C	----	DIODE NO. 1.
7X7	6.3	JR-0607-0	0	77	C	----	DIODE NO. 2.
7Y4	6.3	JR-0607-0	0	65	D	----	PLATE NO. 1.
7Y4	6.3	JR-0307-0	0	65	D	----	PLATE NO. 2.
7Z4	6.3	JR-0607-0	0	20	D	----	PLATE NO. 1.
7Z4	6.3	JR-0307-0	0	20	D	----	PLATE NO. 2.
8CY7	7.5	EV-7608-0	10	53	A	1100	TRIODE NO. 1.
8CY7	7.5	EV-2109-0	60	86	A	4000	TRIODE NO. 2.
8HA6	7.5	EV-2761-3	10	90	A	6500	
8HG8	7.5	EV-2893-0	10	84	A	3600	PENTODE SECTION.
8HG8	7.5	EV-6703-0	32	82	A	3200	TRIODE SECTION.
8JE8	7.5	EV-7986-0	11	89	A	5000	PENTODE SECTION.
8JE8	7.5	EV-2301-0	12	78	A	2200	TRIODE SECTION.
8JK8	7.5	EV-7608-9	23	78	A	2000	TRIODE NO. 1.
8JK8	7.5	EV-2103-9	20	89	A	5000	TRIODE NO. 2.
8JT8	7.5	EV-7986-0	12	90	A	6000	PENTODE SECTION.
8JT8	7.5	EV-2301-0	20	46	A	950	TRIODE SECTION.
8JU8	7.5	EV-0809-0	0	78	C	----	DIODE NO. 1.
8JU8	7.5	EV-0708-0	0	78	C	----	DIODE NO. 2.
8JU8	7.5	EV-0203-0	0	78	C	----	DIODE NO. 3.
8JU8	7.5	EV-0102-0	0	78	C	----	DIODE NO. 4.
8KS8	7.5	EV-7986-0	16	87	A	4500	PENTODE SECTION.
8KS8	7.5	EV-2301-0	20	69	A	1700	TRIODE SECTION.
8LE8	7.5	EV-9683-7	10	65	A	1500	PENTODE NO. 1.
8LE8	7.5	EV-9183-2	10	65	A	1500	PENTODE NO. 2.
8SN7	7.5	HY-4506-0	23	79	A	2600	TRIODE NO. 1.
8SN7	7.5	HY-1203-0	23	79	A	2600	TRIODE NO. 2.
9BR7	10.0	EV-2103-0	11	81	A	3000	TRIODE SECTION.
9BR7	10.0	EV-0708-0	0	78	C	----	DIODE NO. 1.
9BR7	10.0	EV-0608-0	0	78	C	----	DIODE NO. 2.
9CL8	10.0	EV-9678-0	10	84	A	3500	TETRODE SECTION.
9CL8	10.0	EV-1203-0	12	89	A	6000	TRIODE SECTION.
9DZ8	10.0	EV-3672-0	23	88	A	5500	PENTODE SECTION.
9DZ8	10.0	EV-1908-0	19	39	A	850	TRIODE SECTION.
9U8	10.0	EV-2637-0	11	73	A	2000	PENTODE SECTION.
9U8	10.0	EV-9108-0	12	90	A	6200	TRIODE SECTION.
9X8	10.0	EV-7986-1	12	81	A	3000	PENTODE SECTION.
9X8	10.0	EV-2306-1	20	84	A	3500	TRIODE SECTION.
10	7.5	ER-3200-0	42	58	A	1250	
10C8	10.0	EV-8679-0	13	85	A	4000	PENTODE SECTION.
10C8	10.0	EV-2103-0	15	84	A	3500	TRIODE SECTION.
10DA7	10.0	EV-7608-0	18	79	A	2600	TRIODE NO. 1.
10DA7	10.0	EV-3109-0	55	87	A	4500	TRIODE NO. 2.
10EB8	10.0	EV-7986-0	11	87	A	5100	PENTODE SECTION.
10EB8	10.0	EV-2301-0	11	70	A	2000	TRIODE SECTION.
10EW7	10.0	EV-7608-0	31	75	A	2000	TRIODE NO. 1.
10EW7	10.0	EV-2109-0	54	91	A	7500	TRIODE NO. 2.
10FD7	10.0	EV-7608-0	10	68	A	1600	TRIODE NO. 1.
10FD7	10.0	EV-2109-0	58	89	A	4500	TRIODE NO. 2.
10FR7	10.0	EV-7608-0	10	66	A	1500	TRIODE NO. 1.
10FR7	10.0	EV-3109-0	60	90	A	7000	TRIODE NO. 2.
10HA6	10.0	EV-2761-3	10	90	A	6500	
11C5	10.0	ET-2761-0	23	87	A	4500	
12A	5.0	ER-3200-0	44	68	A	1650	
12A4	12.6	EV-2901-0	25	91	A	7800	

TUBE TYPE	FIL.	SELECTORS	BIAS	SHUNT	FUNCT.	MUT. COND	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
12A5	12.6	HR-4235-0	35	70	A	1800	PENTODE SECTION.
12A6	12.6	HS-5348-1	18	81	A	3000	
12A7	12.6	HR-X236-5	40	47	A	975	
12A7	12.6	HR-0504-0	0	65	D	----	RECT. SECTION.
12A8	12.6	HS-X348-5	11	43	B	900	PENTODE SECTION.
12A8	12.6	HS-5648-X	11	26	B	700	OSC. SECTION.
12AB5	12.6	EV-3917-0	11	86	A	4100	OK ABOVE DIODES OK.
12AC6	12.6	ET-2657-1	20	15	C	----	
12AD6	12.6	ET-7652-1	30	25	C	----	TRIODE NO. 1.
12AD7	12.6	EV-7608-0	12	58	A	1250	
12AD7	12.6	EV-2103-0	12	58	A	1250	TRIODE NO. 2.
12AE6	12.6	ET-0702-1	0	0	C	----	TRIODE SECTION. OK ABOVE 700 ON 3000 SCALE.
12AE6	12.6	ET-0602-0	0	26	C	----	DIODE NO. 1.
12AE6	12.6	ET-0502-0	0	26	C	----	DIODE NO. 2.
12AE7	12.6	EV-0608-7	0	65	C	----	TRIODE NO. 1.
12AE7	12.6	EV-0103-2	0	70	C	----	TRIODE NO. 2.
12AF6	12.6	ET-1567-2	26	55	B	1150	TRIODE NO. 1.
12AG6	12.6	ET-7652-1	30	50	C	----	
12AH7	12.6	HY-5604-3	22	73	A	2000	TRIODE NO. 1.
12AH7	12.6	HY-1302-6	22	73	A	2000	TRIODE NO. 2.
12AJ6	12.6	ET-0702-1	0	0	C	----	TRIODE SECTION. OK ABOVE 400 ON 3000 SCALE.
12AJ6	12.6	ET-0602-0	0	26	C	----	DIODE NO. 1.
12AJ6	12.6	ET-0502-0	0	26	C	----	DIODE NO. 2.
12AL8	12.6	EV-0367-2	0	75	C	----	TETRODE SECTION.
12AL8	12.6	EV-0109-8	0	0	C	----	TRIODE SECTION. OK ABOVE 500 ON 3000 SCALE.
12AS5	12.6	ET-2761-0	11	89	B	5600	PENTODE SECTION.
12AU8	12.6	EV-7986-0	11	86	A	4200	
12AU8	12.6	EV-2301-0	15	86	A	4000	TRIODE SECTION.
12AV7	12.6	EV-7608-2	20	85	A	4000	TRIODE NO. 1.
12AV7	12.6	EV-2103-7	20	85	A	4000	TRIODE NO. 2.
12AW6	12.6	ET-1562-7	10	81	A	3000	TRIODE NO. 1.
12AX4	12.6	HY-0503-0	0	82	D	----	
12B7	12.6	JR-6237-4	12	73	A	2000	PENTODE SECTION.
12B8	12.6	HS-X341-0	15	70	A	1800	
12B8	12.6	HS-8506-0	11	48	A	1000	TRIODE SECTION.
12BH7	12.6	EV-7608-2	32	77	A	2380	TRIODE NO. 1.
12BH7	12.6	EV-2103-7	32	77	A	2380	TRIODE NO. 2.
12BK5	12.6	EV-3186-0	11	88	A	5000	TRIODE SECTION.
12BK6	12.6	ET-1702-5	11	35	A	800	
12BK6	12.6	ET-0602-0	0	57	C	----	DIODE NO. 1.
12BK6	12.6	ET-0502-0	0	57	C	----	DIODE NO. 2.
12BL6	12.6	ET-2657-1	22	25	C	----	TRIODE SECTION.
12BR7	12.6	EV-2103-0	11	81	A	3000	
12BR7	12.6	EV-0708-0	0	78	C	----	DIODE NO. 1.
12BR7	12.6	EV-0608-0	0	78	C	----	DIODE NO. 2.
12BT6	12.6	ET-1702-0	12	60	A	1300	TRIODE SECTION.
12BT6	12.6	ET-0602-0	0	57	C	----	DIODE NO. 1.
12BT6	12.6	ET-0502-0	0	57	C	----	DIODE NO. 2.
12BU6	12.6	ET-1702-0	28	65	A	1500	TRIODE SECTION.
12BU6	12.6	ET-0602-0	0	50	C	----	DIODE NO. 1.
12BU6	12.6	ET-0502-0	0	50	C	----	DIODE NO. 2.
12BV7	12.6	EV-2781-3	11	87	A	4500	PLATE NO. 1.
12BW4	12.6	EV-0709-1	0	20	D	----	
12BW4	12.6	EV-0109-7	0	20	D	----	PLATE NO. 2.
12BZ7	12.6	EV-7608-0	13	74	A	2100	TRIODE NO. 1.
12BZ7	12.6	EV-2103-0	13	74	A	2100	TRIODE NO. 2.
12C8	12.6	HS-X368-0	20	55	A	1150	PENTODE SECTION.
12C8	12.6	HS-0508-0	0	18	C	----	DIODE NO. 1.
12C8	12.6	HS-0408-0	0	18	C	----	DIODE NO. 2.
12CM6	12.6	EV-3917-0	11	86	A	4100	PENTODE SECTION.
12CN5	12.6	ET-0671-2	0	55	C	----	
12CT8	12.6	EV-8679-0	11	86	A	4200	TRIODE SECTION.
12CT8	12.6	EV-2103-0	15	86	A	4000	
12CX6	12.6	ET-2657-1	0	49	C	----	PENTODE SECTION.
12DE8	12.6	EV-7869-1	0	14	C	----	
12DE8	12.6	EV-0302-0	0	79	C	----	DIODE SECTION.
12DF5	12.6	EV-0608-0	0	20	D	----	PLATE NO. 1.

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TUBE TYPE	FIL.	SELECTORS	BIAS	SHUNT	FUNCT.	MUT. COND	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
12DF5	12.6	EV-0103-0	0	20	D	----	PLATE NO. 2.
12DF7	12.6	EV-7608-0	12	58	A	1250	TRIODE NO. 1.
12DF7	12.6	EV-2103-0	12	58	A	1250	TRIODE NO. 2.
12DK6	12.6	ET-1562-7	12	83	A	3300	
12DK7	12.6	EV-0372-1	0	55	C	----	TETRODE SECTION.
12DK7	12.6	EV-0602-0	0	0	C	----	DIODE NO. 1.
12DK7	12.6	EV-0902-0	0	0	C	----	DIODE NO. 2.
12DL8	12.6	EV-0362-7	0	79	C	----	TETRODE SECTION.
12DL8	12.6	EV-0908-0	0	40	C	----	DIODE NO. 1.
12DL8	12.6	EV-0108-0	0	40	C	----	DIODE NO. 2.
12DQ4	12.6	JX-0503-0	0	86	D	----	
12DQ7	12.6	EV-2781-3	11	88	A	5000	
12D57	12.6	EV-0368-7	0	79	C	----	TETRODE SECTION. EMISSION TEST ONLY.
12D57	12.6	EV-0908-0	0	40	C	----	DIODE NO. 1.
12D57	12.6	EV-0108-0	0	40	C	----	DIODE NO. 2.
12DU7	12.6	EV-0362-1	0	69	C	----	TETRODE SECTION.
12DU7	12.6	EV-0902-0	0	14	C	----	DIODE NO. 1. OK ABOVE 500 ON 3000 SCALE.
12DU7	12.6	EV-0702-0	0	14	C	----	DIODE NO. 2. OK ABOVE 500 ON 3000 SCALE.
12DV7	12.6	EV-0608-7	0	0	C	----	TRIODE SECTION. OK ABOVE 200 ON 3000 SCALE.
12DV7	12.6	EV-0301-0	0	14	C	----	DIODE NO. 1. OK ABOVE 500 ON 3000 SCALE.
12DV7	12.6	EV-0201-0	0	14	C	----	DIODE NO. 2. OK ABOVE 500 ON 3000 SCALE.
12DV8	12.6	EV-0362-7	0	80	C	----	TETRODE SECTION.
12DV8	12.6	EV-0908-0	0	46	C	----	DIODE NO. 1.
12DV8	12.6	EV-0108-0	0	46	C	----	DIODE NO. 2.
12DW5	12.6	EV-3917-0	42	89	A	5500	
12DW7	12.6	EV-7608-0	12	58	A	1250	TRIODE NO. 1.
12DW7	12.6	EV-2103-0	25	75	A	2200	TRIODE NO. 2.
12DW8	12.6	EV-7608-0	18	56	C	----	TRIODE NO. 1. EMISSION TEST ONLY.
12DW8	12.6	EV-2103-0	0	78	C	----	TRIODE NO. 2. EMISSION TEST ONLY.
12DW8	12.6	EV-0908-0	0	77	C	----	DIODE SECTION.
12DY8	12.6	EV-0362-1	0	71	C	----	TETRODE SECTION.
12DY8	12.6	EV-0807-9	0	21	C	----	TRIODE SECTION. OK ABOVE DIODES OK.
12DZ6	12.6	ET-2657-1	0	65	C	----	
12DZ8	12.6	EV-3672-0	23	88	A	5500	PENTODE SECTION.
12DZ8	12.6	EV-1908-0	19	39	A	850	TRIODE SECTION.
12EA6	12.6	ET-2657-1	0	62	C	----	
12EC8	12.6	EV-0768-9	0	24	C	----	PENTODE SECTION.
12EC8	12.6	EV-0203-1	0	43	C	----	TRIODE SECTION.
12ED5	12.6	DU-2761-0	20	89	A	5500	
12EG6	12.6	ET-7652-1	0	46	C	----	
12EH5	12.6	ET-2761-0	13	88	A	10000	
12EK6	12.6	ET-2657-1	0	62	C	----	
12EL6	12.6	ET-0207-1	0	0	C	----	TRIODE SECTION. OK ABOVE 300 ON 3000 SCALE.
12EL6	12.6	ET-0607-0	0	20	C	----	DIODE NO. 1.
12EL6	12.6	ET-0507-0	0	20	C	----	DIODE NO. 2.
12EM6	12.6	EV-0362-1	0	55	C	----	TETRODE SECTION.
12EM6	12.6	EV-0902-0	0	0	C	----	DIODE SECTION.
12EN6	12.6	HS-5348-0	38	88	A	5000	
12EQ7	12.6	EV-2763-1	17	60	A	2400	PENTODE SECTION.
12EQ7	12.6	EV-0803-0	0	26	C	----	DIODE SECTION.
12EZ6	12.6	ET-2657-1	0	51	C	----	
12F5	12.6	HS-X408-0	12	48	A	1000	
12F8	12.6	EV-9237-8	25	0	C	----	PENTODE SECTION. OK ABOVE DIODES OK.
12F8	12.6	EV-0607-0	0	26	C	----	DIODE NO. 1.
12F8	12.6	EV-0107-0	0	26	C	----	DIODE NO. 2.
12FK6	12.6	ET-1702-0	19	0	C	----	TRIODE SECTION.
12FK6	12.6	ET-0602-0	0	23	C	----	DIODE NO. 1.
12FK6	12.6	ET-0502-0	0	23	C	----	DIODE NO. 2.
12FM6	12.6	ET-0702-1	0	10	C	----	TRIODE SECTION.
12FM6	12.6	ET-0602-0	0	32	C	----	DIODE NO. 1.
12FM6	12.6	ET-0502-0	0	32	C	----	DIODE NO. 2.
12FR8	12.6	EV-3670-0	30	73	C	----	PENTODE SECTION.
12FR8	12.6	EV-1902-0	15	37	C	----	TRIODE SECTION.
12FR8	12.6	EV-0802-0	0	40	C	----	DIODE SECTION.
12FT6	12.6	ET-1702-0	0	50	C	----	TRIODE SECTION.
12FT6	12.6	ET-0602-0	0	49	C	----	DIODE NO. 1.

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TUBE TYPE	FIL.	SELECTORS	BIAS	SHUNT	FUNCT.	MUT. COND	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
12FT6	12.6	ET-0502-0	0	49	C	----	DIODE NO. 2.
12FV7	12.6	EV-7608-0	27	88	A	5000	TRIODE NO. 1.
12FV7	12.6	FV-2103-0	27	88	A	5000	TRIODE NO. 2.
12FX8	12.6	EV-9137-2	30	41	C	----	HEPTODE SECTION.
12FX8	12.6	EV-0800-6	0	77	C	----	TRIODE SECTION.
12G4	12.6	ET-6107-0	23	79	A	2600	
12G8	12.6	EV-0607-8	0	60	C	----	TRIODE NO. 1.
12G8	12.6	EV-0102-3	0	20	C	----	TRIODE NO. 2.
12GA6	12.6	ET-7652-1	30	21	C	----	
12H6	12.6	HS-0508-0	0	70	C	----	DIODE NO. 1.
12H6	12.6	HS-0304-0	0	70	C	----	DIODE NO. 2.
12J5	12.6	HS-5308-0	23	79	A	2600	
12J7	12.6	HS-X348-5	19	57	A	1225	
12J8	12.6	EV-0362-1	0	60	C	----	TETRODE SECTION.
12J8	12.6	EV-0907-0	0	78	C	----	DIODE NO. 1.
12J8	12.6	EV-0807-0	0	78	C	----	DIODE NO. 2.
12K7	12.6	HS-X348-5	18	63	A	1450	
12K8	12.6	HS-5348-X	11	31	A	750	HEXODE SECTION.
12K8	12.6	HS-5608-4	11	77	A	2400	TRIODE SECTION.
12KL8	12.6	EV-2763-1	5	71	B	1700	PENTODE SECTION.
12KL8	12.6	EV-0803-0	0	33	C	----	DIODE SECTION. OK ABOVE DIODES OK.
12L6	12.6	HS-5348-0	11	91	B	7500	
12L8	12.6	HW-1852-3	11	65	A	1500	PENTODE NO. 1.
12L8	12.6	HW-3452-1	11	65	A	1500	PENTODE NO. 2.
12Q7	12.6	HS-X308-0	17	35	A	800	TRIODE SECTION.
12Q7	12.6	HS-0508-0	0	27	C	----	DIODE NO. 1.
12Q7	12.6	HS-0408-0	0	27	C	----	DIODE NO. 2.
12R5	12.6	ET-2761-0	20	91	B	7000	
12S8	12.6	HY-X602-0	11	26	A	700	TRIODE SECTION.
12S8	12.6	HY-0305-0	0	32	C	----	DIODE NO. 1.
12S8	12.6	HY-0402-0	0	32	C	----	DIODE NO. 2.
12S8	12.6	HY-0102-0	0	32	C	----	DIODE NO. 3.
12SA7	12.6	HS-5346-8	--	--	-	----	USE THIS SETTING FOR SHORT SCHECK ONLY.
12SA7	12.6	HS-5406-8	30	81	A	3000	DISREGARD SHORTS.
12SC7	12.6	HY-4506-2	9	48	A	1000	TRIODE NO. 1.
12SC7	12.6	HY-3206-5	9	48	A	1000	TRIODE NO. 2.
12SF5	12.6	HY-3502-0	13	48	A	1000	
12SF7	12.6	HY-2643-1	11	65	A	1500	PENTODE SECTION.
12SF7	12.6	HY-0503-0	0	25	C	----	DIODE SECTION.
12SG7	12.6	HS-4865-1	11	73	A	2000	
12SH7	12.6	HS-4865-1	11	77	A	2400	
12SJ7	12.6	HS-4865-3	11	68	A	1650	
12SK7	12.6	HS-4865-3	12	73	A	2000	
12SL7	12.6	HY-4506-2	11	48	A	1000	TRIODE NO. 1.
12SL7	12.6	HY-1203-5	11	48	A	1000	TRIODE NO. 2.
12SQ7	12.6	HY-2603-1	11	27	A	700	TRIODE SECTION.
12SQ7	12.6	HY-0503-0	0	30	C	----	DIODE NO. 1.
12SQ7	12.6	HY-0403-0	0	30	C	----	DIODE NO. 2.
12SR7	12.6	HY-2603-1	23	72	A	1900	TRIODE SECTION.
12SR7	12.6	HY-0503-0	0	30	C	----	DIODE NO. 1.
12SR7	12.6	HY-0403-0	0	30	C	----	DIODE NO. 2.
12SW7	12.6	HY-2603-1	23	72	A	1900	TRIODE SECTION.
12SW7	12.6	HY-0503-0	0	30	C	----	DIODE NO. 1.
12SW7	12.6	HY-0403-0	0	30	C	----	DIODE NO. 2.
12SX7	12.6	HY-4506-2	22	79	A	2600	TRIODE NO. 1.
12SX7	12.6	HY-1203-5	22	79	A	2600	TRIODE NO. 2.
12SY7	12.6	HS-8346-5	8	0	A	500	AMPL. SECTION.
12SY7	12.6	HS-5406-8	22	86	A	4000	OSC. SECTION.
12U7	12.6	EV-0608-7	0	0	C	----	TRIODE NO. 1. OK ABOVE DIODES OK.
12U7	12.6	EV-0103-2	0	0	C	----	TRIODE NO. 2. OK ABOVE DIODES OK.
12Z3	12.6	ER-0203-0	0	70	D	----	
13FR7	12.6	EV-7608-0	10	66	A	1500	TRIODE NO. 1.
13FR7	12.6	EV-3109-0	60	90	A	7000	TRIODE NO. 2.
14A4	12.6	JR-6207-0	23	79	A	2600	
14A5	12.6	JR-6237-0	12	81	A	3000	
14A7	12.6	JR-6237-4	12	73	A	2000	
14AF7	12.6	JR-5607-0	23	79	A	2600	TRIODE NO. 1.

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14AF7	12.6	JR-4302-0	23	79	A	2600	TRIODE NO. 2.
14B6	12.6	JR-3207-0	11	27	A	700	TRIODE SECTION.
14B6	12.6	JR-0607-0	0	30	C	----	DIODE NO. 1.
14B6	12.6	JR-0507-0	0	30	C	----	DIODE NO. 2.
14B8	12.6	JR-6257-4	11	43	B	900	PENTODE SECTION.
1488	12.6	JR-4357-6	11	26	B	700	OSC. SECTION.
14C5	12.6	JR-6237-0	20	81	A	3000	
14C7	12.6	JR-6237-4	22	60	A	1300	
14E6	12.6	JR-3207-0	23	72	A	1900	TRIODE SECTION.
14E6	12.6	JR-0607-0	0	30	C	----	DIODE NO. 1.
14E6	12.6	JR-0507-0	0	30	C	----	DIODE NO. 2.
14E7	12.6	JR-6257-0	22	60	A	1300	PENTODE SECTION.
14E7	12.6	JR-0407-0	0	0	C	----	DIODE NO. 1.
14E7	12.6	JR-0307-0	0	0	C	----	DIODE NO. 2.
14F7	12.6	JR-5607-3	10	60	A	1300	TRIODE NO. 1.
14F7	12.6	JR-4302-6	10	60	A	1300	TRIODE NO. 2.
14F8	12.6	HS-8605-0	11	85	A	3800	TRIODE NO. 1.
14F8	12.6	HS-1304-0	11	85	A	3800	TRIODE NO. 2.
14H7	12.6	JR-6237-4	11	73	A	2000	
14J7	12.6	JR-6257-4	21	35	A	800	HEPTODE SECTION.
14J7	12.6	JR-4307-5	18	62	A	1400	TRIODE SECTION.
14N7	12.6	JR-5607-3	23	73	A	2000	TRIODE NO. 1.
14N7	12.6	JR-4302-6	23	73	A	2000	TRIODE NO. 2.
14Q7	12.6	JR-6237-4	8	0	B	500	AMPL. SECTION.
14Q7	12.6	JR-4307-6	11	88	A	5000	OSC. SECTION.
14R7	12.6	JR-6257-0	11	72	A	1900	PENTODE SECTION.
14R7	12.6	JR-0407-0	0	0	C	----	DIODE NO. 1.
14R7	12.6	JR-0307-0	0	0	C	----	DIODE NO. 2.
14S7	12.6	JR-6257-4	15	65	A	1500	HFPTODE SECTION.
14S7	12.6	JR-4307-5	11	65	A	1500	TRIODE SECTION.
14V7	12.6	JR-6237-4	11	73	A	2000	
14W7	12.6	JR-6237-5	11	73	A	2000	
14X7	12.6	JR-3204-0	11	27	A	700	TRIODE SECTION.
14X7	12.6	JR-0504-0	0	77	C	----	DIODE NO. 1.
14X7	12.6	JR-0607-0	0	77	C	----	DIODE NO. 2.
14Y4	12.6	JR-0607-0	0	65	D	----	PLATE NO. 1.
14Y4	12.6	JR-0307-0	0	65	D	----	PLATE NO. 2.
15	2.0	FR-X234-0	11	15	B	600	
15A6	12.6	EV-2713-6	8	91	A	7500	
15EA7	17.0	JX-4506-0	22	19	A	600	TRIODE NO. 1.
15EA7	17.0	JX-1203-0	54	91	A	6500	TRIODE NO. 2.
15EW6	12.6	ET-1562-7	10	88	A	5400	MAKE 'LINE TEST' AT 1700 ON 3000 SCALE.
17AV5	17.0	HS-1583-0	42	89	A	5500	
17CA5	17.0	ET-2761-0	20	89	A	5500	
17DQ4	17.0	JX-0503-0	0	86	D	----	
17HC8	17.0	EV-3672-0	15	88	A	5100	PENTODE SECTION.
17HC8	17.0	EV-1908-0	9	73	A	2000	TRIODE SECTION.
17JK8	17.0	EV-7608-9	23	78	A	2000	TRIODE NO. 1.
17JK8	17.0	EV-2103-9	20	89	A	5000	TRIODE NO. 2.
17L6	17.0	HS-5348-1	11	91	B	7500	
17R5	17.0	ET-2761-0	20	91	B	7000	
18DZ8	17.0	EV-3672-0	23	88	A	5500	PENTODE SECTION.
18DZ8	17.0	EV-1908-0	19	39	A	850	TRIODE SECTION.
18H88	17.0	EV-9768-0	23	74	A	2100	PENTODE SECTION.
18H88	17.0	EV-1302-0	20	63	A	1300	TRIODE SECTION.
19	2.0	GR-4500-0	23	48	A	1000	TRIODE NO. 1.
19	2.0	GR-3200-0	23	48	A	1000	TRIODE NO. 2.
198G6	20.0	HS-5X83-0	12	90	A	6000	
19C8	20.0	EV-8907-0	11	35	A	800	TRIODE SECTION.
19C8	20.0	EV-0607-0	0	77	C	----	DIODE NO. 1.
19C8	20.0	EV-0203-0	0	77	C	----	DIODE NO. 2.
19C8	20.0	EV-0107-0	0	77	C	----	DIODE NO. 3.
19DE7	20.0	EV-7608-0	27	73	A	2000	TRIODE NO. 1.
19DE7	20.0	EV-2109-0	54	89	A	6500	TRIODE NO. 2.
19J6	20.0	ET-5207-6	22	78	A	2500	TRIODE NO. 1.
19J6	20.0	ET-6107-5	22	78	A	2500	TRIODE NO. 2.
19T8	20.0	EV-8907-0	11	56	A	1200	TRIODE SECTION.

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19T8	20.0	EV-0607-0	0	77	C	----	DIODE NO. 1.
19T8	20.0	EV-0203-0	0	77	C	----	DIODE NO. 2.
19T8	20.0	EV-0107-0	0	77	C	----	DIODE NO. 3.
19V8	20.0	EV-6103-8	13	56	A	1200	TRIODE SECTION.
19V8	20.0	EV-0903-0	0	40	C	----	DIODE NO. 1.
19V8	20.0	EV-0708-0	0	80	C	----	DIODE NO. 2.
19V8	20.0	EV-0203-0	0	80	C	----	DIODE NO. 3.
19X3	20.0	EV-0903-0	0	88	D	----	
19Y3	20.0	EV-0903-0	0	88	D	----	
20EQ7	20.0	EV-2763-1	17	60	A	2400	PENTODE SECTION.
20EQ7	20.0	EV-0803-0	0	26	C	----	DIODE SECTION.
21A6	20.0	EV-2X83-9	42	90	A	6000	
21EX6	20.0	HS-5X83-0	48	91	A	7500	TUBES INDICATING SHORTS# RE-TEST USING HS-5X13-0
22	3.0	ER-X230-0	23	0	B	500	
24A	2.5	FR-X234-0	12	48	A	1000	
25A6	25.0	HS-5348-0	25	76	A	2300	
25A7	25.0	HS-5348-6	28	70	A	1800	PENTODE SECTION.
25A7	25.0	HS-0601-0	0	75	D	----	RECT. SECTION.
25AC5	25.0	HS-5308-0	11	48	A	1000	
2585	25.0	GR-4235-0	11	59	A	1300	
2586	25.0	HS-5348-0	55	85	A	4000	
25B8	25.0	HS-X341-0	15	70	A	1800	PENTODE SECTION.
25B8	25.0	HS-8506-0	11	48	A	1000	TRIODE SECTION.
25C6	25.0	HS-5348-0	28	88	A	5000	
25CU6	25.0	HS-5X48-0	42	89	A	5500	
25D8	25.0	HS-X341-0	16	72	A	1900	PENTODE SECTION.
25D8	25.0	HS-5601-0	11	31	A	750	TRIODE SECTION.
25D8	25.0	HS-0801-0	0	50	C	----	DIODE SECTION.
25DK4	25.0	ET-0507-0	0	94	D	----	
25DQ6	25.0	HS-5X48-0	25	90	B	6000	
25DT5	25.0	EV-3917-0	21	87	A	4400	
25N6	25.0	HS-5348-0	11	65	A	1500	
25W6	25.0	HS-5348-0	11	91	B	7500	
25Y5	25.0	GR-0504-0	0	30	D	----	PLATE NO. 1.
25Y5	25.0	GR-0203-0	0	30	D	----	PLATE NO. 2.
25Z5	25.0	GR-0504-0	0	70	D	----	PLATE NO. 1.
25Z5	25.0	GR-0203-0	0	70	D	----	PLATE NO. 2.
25Z6	25.0	HS-0508-1	0	70	D	----	PLATE NO. 1.
25Z6	25.0	HS-0304-1	0	70	D	----	PLATE NO. 2.
26	1.4	FR-3200-0	39	55	A	1150	
26A6	25.0	ET-1567-2	11	73	A	2000	
26A7	25.0	HW-1852-3	11	78	B	2500	PENTODE NO. 1.
26A7	25.0	HW-3452-1	11	78	B	2500	PENTODE NO. 2.
26BK6	25.0	ET-1702-5	11	35	A	800	TRIODE SECTION.
26BK6	25.0	ET-0602-0	0	57	C	----	DIODE NO. 1.
26BK6	25.0	ET-0502-0	0	57	C	----	DIODE NO. 2.
26C6	25.0	ET-1702-0	23	72	A	1900	TRIODE SECTION.
26C6	25.0	ET-0602-0	0	30	C	----	DIODE NO. 1.
26C6	25.0	ET-0502-0	0	30	C	----	DIODE NO. 2.
26D6	25.0	ET-7562-1	0	35	B	800	AMPL. SECTION. MAKE NO GAS TEST.
26D6	25.0	ET-1602-7	20	90	A	6500	OSC. SECTION. MAKE GAS TEST.
26E6	25.0	HS-5348-0	25	90	A	6000	
26Z5W	25.0	EV-0608-0	0	60	D	----	PLATE NO. 1.
26Z5W	25.0	EV-0103-0	0	60	D	----	PLATE NO. 2.
27	2.5	FR-3204-0	41	48	A	1000	
30	2.0	ER-3200-0	43	42	A	900	
31	2.0	ER-3200-0	41	44	A	925	
32	2.0	ER-X230-0	20	20	B	640	
32L7	35.0	HS-5348-0	32	88	A	5000	AMPL. SECTION.
32L7	35.0	HS-0601-0	0	70	D	----	RECT. SECTION.
33	2.0	FR-3240-0	27	60	A	1300	
RK33	6.3	HR-4506-0	35	62	A	1375	TRIODE NO. 1.
RK33	6.3	HR-X302-0	35	62	A	1375	TRIODE NO. 2.
34	2.0	ER-X230-0	16	15	B	600	
35	2.5	FR-X234-0	22	49	A	1020	
35A5	35.0	JR-6237-0	20	90	A	5900	

TUBE TYPE	FIL.	SELECTORS	BIAS	SHUNT	FUNCT.	MUT. COND	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
35CD6	35.0	HS-5X83-0	35	90	A	6500	
35DZ8	35.0	EV-3672-0	23	88	A	5500	PENTODE SECTION.
35DZ8	35.0	EV-1908-0	19	39	A	850	TRIODE SECTION.
35Y4	35.0	JR-0207-0	0	88	D	----	
35Z3	35.0	JR-0207-0	0	88	D	----	
35Z4	35.0	HS-0508-0	0	88	D	----	
35Z6	35.0	HS-0508-0	0	88	D	----	PLATE NO. 1.
35Z6	35.0	HS-0304-0	0	88	D	----	PLATE NO. 2.
36	6.3	FR-X234-0	31	50	A	1050	
37	6.3	FR-3204-0	39	42	A	900	
38	6.3	FR-X234-0	35	50	A	1050	
39/44	6.3	FR-X234-0	25	48	A	1000	
40	5.0	ER-3200-0	32	0	A	200	OK ABOVE 500 ON 3000 SCALE.
41	6.3	GR-4235-0	34	67	A	1600	
42	6.3	GR-4235-0	23	70	A	1800	
43	25.0	GR-4235-0	22	76	A	2300	
45	2.5	ER-3200-0	57	71	A	1850	
45Z3	50.0	HR-0204-0	0	75	D	----	
45Z5	50.0	HS-0508-0	0	88	D	----	
46	2.5	FR-3240-0	11	73	A	2000	
47	2.5	FR-3240-0	11	70	A	1800	
48	25.0	GR-4235-0	45	73	A	2000	
49	2.0	FR-3240-0	49	54	A	1125	
50	7.5	ER-3200-0	60	65	A	1500	
50A5	50.0	JR-6237-0	11	91	B	7500	
50B5	50.0	ET-1562-0	20	91	B	7500	
50BK5	50.0	EV-3186-0	11	88	A	5000	
50C6	50.0	HS-5348-1	28	88	A	5000	
50CA5	50.0	DU-2761-0	20	89	A	5500	
50FA5	50.0	ET-2761-0	36	87	A	4700	
50FY8	50.0	EV-3672-0	22	89	A	5700	PENTODE SECTION.
50FY8	50.0	EV-1908-0	21	62	A	1400	TRIODE SECTION.
50L6	50.0	HS-5348-0	11	91	B	7500	
50X6	50.0	JR-0607-0	0	75	D	----	PLATE NO. 1.
50X6	50.0	JR-0302-0	0	75	D	----	PLATE NO. 2.
50Y6	50.0	HS-0508-0	0	75	D	----	PLATE NO. 1.
50Y6	50.0	HS-0304-0	0	75	D	----	PLATE NO. 2.
50Y7	50.0	HS-0508-0	0	75	D	----	PLATE NO. 1.
50Y7	50.0	HS-0304-0	0	75	D	----	PLATE NO. 2.
51/51S	2.5	FR-X234-0	24	47	A	975	
52	6.3	FR-3240-0	11	77	A	2400	
53	2.5	HR-5604-0	11	62	A	1400	TRIODE NO. 1.
53	2.5	HR-3204-0	11	62	A	1400	TRIODE NO. 2.
55	2.5	GR-X205-0	42	47	A	975	TRIODE SECTION.
55	2.5	GR-0405-0	0	25	C	----	DIODE NO. 1.
55	2.5	GR-0305-0	0	25	C	----	DIODE NO. 2.
56	2.5	FR-3204-0	30	63	A	1450	
57	2.5	GR-X235-4	20	57	A	1225	
57A	6.3	GR-X235-4	20	57	A	1225	
58	2.5	GR-X235-4	13	67	A	1600	
58A/58AS	6.3	GR-X235-4	22	63	A	1450	
59	2.5	HR-4236-5	11	70	A	1800	
HY69	6.3	FR-3X24-0	15	81	A	3000	
70L7	75.0	HS-5346-0	34	88	A	5000	PENTODE SECTION.
70L7	75.0	HS-0801-0	0	88	D	----	RECT. SECTION.
71A	5.0	ER-3200-0	69	68	A	1650	
75	6.3	GR-X205-0	14	31	A	750	TRIODE SECTION.
75	6.3	GR-0405-0	0	26	C	----	DIODE NO. 1.
75	6.3	GR-0305-0	0	26	C	----	DIODE NO. 2.
76	6.3	FR-3204-0	30	63	A	1450	
77	6.3	GR-X235-4	20	57	A	1225	
78	6.3	GR-X235-4	24	63	A	1450	
79	6.3	GR-X504-0	10	48	A	1000	TRIODE NO. 1.
79	6.3	GR-3204-0	10	48	A	1000	TRIODE NO. 2.
81	7.5	ER-0200-0	0	0	D	----	OK ABOVE DIODES OK.
82	2.5	ER-0300-0	0	90	D	----	PLATE NO. 1.
82	2.5	ER-0200-0	0	90	D	----	PLATE NO. 2.

TUBE TYPE	FIL.	SELECTORS	BIAS	SHUNT	FUNCT.	MUT. COND	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
83V	5.0	ER-0300-0	0	85	D	----	PLATE NO. 1.
83V	5.0	ER-0200-0	0	85	D	----	PLATE NO. 2.
84	6.3	FR-0304-0	0	60	D	----	PLATE NO. 1.
84	6.3	FR-0204-0	0	60	D	----	PLATE NO. 2.
85	6.3	GR-X205-0	42	47	A	975	TRIODE SECTION.
85	6.3	GR-0405-0	0	25	C	----	DIODE NO. 1.
85	6.3	GR-0305-0	0	25	C	----	DIODE NO. 2.
85AS	6.3	GR-X205-0	25	53	A	1100	TRIODE SECTION.
85AS	6.3	GR-0405-0	0	25	C	----	DIODE NO. 1.
85AS	6.3	GR-0305-0	0	25	C	----	DIODE NO. 2.
89/89Y	6.3	GR-X235-4	29	66	A	1550	
99	3.0	ER-3200-0	57	73	A	425	OK ABOVE 270.
112A	5.0	ER-3200-0	45	68	A	1650	
117L7/M7	117.0	HS-4358-0	22	85	A	4000	PENTODE SECTION.
117L7/M7	117.0	HS-0601-0	0	88	D	----	RECT. SECTION.
117N7	117.0	HS-4356-0	37	88	A	5000	PENTODE SECTION.
117N7	117.0	HS-0800-0	0	88	E	----	RECT. SECTION.
117P7	117.0	HS-4356-0	20	85	A	4000	PENTODE SECTION.
117P7	117.0	HS-0800-0	0	88	E	----	RECT. SECTION.
117Z3	117.0	ET-0506-0	0	84	D	----	
117Z4	117.0	HS-0508-0	0	88	D	----	
117Z6	117.0	HS-0508-0	0	88	D	----	PLATE NO. 1.
117Z6	117.0	HS-0304-0	0	88	D	----	PLATE NO. 2.
X155	6.3	EV-7608-9	20	88	A	5000	TRIODE NO. 1.
X155	6.3	EV-2103-9	20	88	A	5000	TRIODE NO. 2.
GL502A	6.3	HS-5308-6	--	94	F	----	STRIKES AT ABOUT 25. NOTE 2.
CK502AX	1.1	DV-4120-0	21	7	B	550	
CK503AX	1.1	DV-4120-0	23	7	B	550	
CK506AX	1.1	DV-4120-0	35	0	B	500	
CK512AX	0.6	DV-0214-0	0	0	C	----	OK ABOVE 100 ON 3000 SCALE.
CK518AX	1.1	DV-4120-0	45	0	F	----	OK ABOVE DIODES OK.
CK522AX	1.1	DV-4120-0	40	0	F	----	OK ABOVE DIODES OK.
CK523AX	1.1	DV-4120-0	47	0	F	----	OK ABOVE DIODES OK.
CK524AX	1.1	DV-4120-0	76	0	F	----	OK ABOVE DIODES OK.
CK525AX	1.1	DV-4120-0	50	0	F	----	OK ABOVE DIODES OK.
CK526AX	1.1	DV-4120-0	59	0	F	----	OK ABOVE DIODES OK.
CK527AX	1.1	DV-4120-0	36	0	F	----	OK ABOVE 200 ON 3000 SCALE.
CK528AX	1.1	DV-4120-0	37	0	F	----	OK ABOVE DIODES OK.
CK529AX	1.1	DV-4120-0	64	0	F	----	OK ABOVE DIODES OK.
CK533AX	1.1	DV-4120-0	43	0	F	----	OK ABOVE DIODES OK.
CK535AX	1.1	DV-4120-0	64	0	F	----	OK ABOVE DIODES OK.
CK536AX	1.1	DV-4120-0	43	0	F	----	OK ABOVE DIODES OK.
CK541DX	1.1	DV-4120-0	37	0	F	----	OK ABOVE 300 ON 3000 SCALE.
CK542DX	1.1	DV-0214-0	0	0	C	----	OK ABOVE 200 ON 3000 SCALE.
CK543DX	0.6	DV-0214-0	0	0	C	----	OK ABOVE 100 ON 3000 SCALE.
CK544DX	1.1	DV-4120-0	32	0	F	----	OK ABOVE 300 ON 3000 SCALE.
CK546DX	1.4	DV-4210-0	0	0	C	----	OK OVER 650 ON 3000 SCALE.
GL546	6.3	ET-1752-0	--	85	D	----	STRIKES AT ABOUT 75. NOTE 2.
CK547DX	1.1	DV-4120-0	33	0	F	----	OK ABOVE 500 ON 3000 SCALE.
CK548DX	1.1	DV-4120-0	49	0	F	----	OK ABOVE 500 ON 3000 SCALE.
CK569AX	1.1	DV-4120-0	12	31	B	750	
CK578AX	1.1	DV-4120-0	20	61	B	1250	
629	3.0	FR-3204-0	--	94	F	----	STRIKES AT ABOUT 20. NOTE 2.
801A	7.5	ER-3200-0	25	62	A	1400	
802	6.3	HR-4X36-5	11	70	A	1800	
807	6.3	FR-3X24-0	25	85	A	3800	
809	6.3	ER-3X00-0	24	21	A	650	
811A	6.3	ER-3X00-0	0	60	A	1350	
812	6.3	ER-3X00-0	22	65	A	1500	
815	6.3	JV-7X43-2	25	85	A	4000	PENTODE NO. 1. CONNECT LEFT CAP.
815	6.3	BV-2X43-7	25	85	A	4000	PENTODE NO. 2. CONNECT RIGHT CAP.
816	3.0	ER-0X00-0	0	91	D	----	
837	12.6	HR-4X36-5	11	76	A	2300	
841	7.5	ER-3200-0	15	48	A	1000	
842	7.5	ER-3200-0	52	55	A	1150	
843	2.5	FR-3204-0	12	67	A	1625	
864	1.1	ER-3200-0	45	21	A	650	

TUBE TYPE	FIL.	SELECTORS	BIAS	SHUNT	FUNCT.	MUT. COND	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
865	7.5	ER-3X20-0	35	18	A	625	
879	2.5	ER-0X00-0	0	87	F	----	
950	2.0	FR-3240-0	45	45	A	950	
951	2.0	ER-X230-0	17	35	B	800	
954	6.3	HS-8X36-4	23	53	A	1100	USE ADAPTER SA-7, 1050-9.
955	6.3	HS-4306-0	24	72	A	1900	USE ADAPTER SA-7, 1050-9.
956	6.3	HS-8X36-4	17	56	A	1200	USE ADAPTER SA-7, 1050-9.
957	1.1	HS-4300-0	28	21	A	650	USE ADAPTER SA-7, 1050-9.
958A	1.1	HS-4300-0	30	56	A	1200	USE ADAPTER SA-7, 1050-9.
959	1.1	HS-8X30-4	15	15	B	600	USE ADAPTER SA-7, 1050-9.
1005	OFF	AP-0500-8	0	92	G	----	PLATE NO. 1.
1005	OFF	AP-0300-6	0	92	G	----	PLATE NO. 2.
CK1042	OFF	AP-0105-0	0	40	G	----	LEADS = 1-5.
1201	6.3	JS-1304-0	17	81	A	3000	
1203	6.3	JR-0407-0	0	70	C	----	DIODE.
1204	6.3	HS-5314-0	11	60	A	1300	
1216	6.3	ET-5207-0	26	81	A	3000	TRIODE NO. 1.
1216	6.3	ET-6107-0	26	81	A	3000	TRIODE NO. 2.
1229	2.0	ER-X230-0	20	20	B	640	
1230	2.0	ER-3200-0	43	42	A	900	
1231	6.3	JR-6237-4	16	78	A	2500	
1232	6.3	JR-6237-4	20	73	A	2000	
1237	OFF	HS-3006-0	--	--	-	----	OBSERVE FOR SHORTS ONLY.
1237	2.5	HS-0300-0	0	94	D	----	PLATE NO. 1. DISREGARD SHORT TEST.
1237	2.5	HS-0600-0	0	94	D	----	PLATE NO. 2. DISREGARD SHORT TEST.
HY1269	12.6	FR-3X20-0	30	85	A	4000	
1273	6.3	JR-6237-4	22	60	A	1300	
1274	6.3	HS-0508-0	0	65	D	----	PLATE NO. 1.
1274	6.3	HS-0308-0	0	65	D	----	PLATE NO. 2.
1280	12.6	JR-6237-4	22	60	A	1300	
1284	12.6	JR-6237-4	23	73	A	2000	
1285	25.0	HS-5348-0	33	88	A	5000	
1291	2.5	BY-6700-0	27	65	A	1500	TRIODE NO. 1.
1291	2.5	JR-3200-0	27	65	A	1500	TRIODE NO. 2.
1293	1.4	JR-6200-0	28	60	A	1300	
1294	1.4	JR-0407-0	0	40	C	----	DIODE.
1299	2.5	JR-6230-0	36	74	A	2100	
1603	6.3	GR-X235-4	20	57	A	1225	
1609	1.1	FR-3240-0	11	15	B	600	
1612	6.3	HS-X348-5	11	0	B	500	CAP GRID.
1612	6.3	HS-5348-X	11	26	B	700	PIN GRID.
1613	6.3	HS-5348-0	23	73	A	2000	
1614	6.3	HS-5348-1	17	88	A	5000	
1619	2.5	HS-5340-8	12	83	A	3400	
1620	6.3	HS-X348-5	20	57	A	1225	
1621	6.3	HS-5348-0	23	73	A	2000	
1622	6.3	HS-5348-0	17	88	A	5000	
1623	6.3	ER-3X00-0	22	65	A	1500	
1624	2.5	FR-3X20-0	11	81	A	3000	
1625	12.6	HR-4X36-0	25	85	A	3800	
1626	12.6	HS-5308-0	46	74	A	2100	
1629	12.6	HS-5408-0	100	100	A	----	EYE OPEN.
1629	12.6	HS-5438-0	100	100	A	----	EYE CLOSED.
1631	12.6	HS-5348-1	17	88	A	5000	
1632	12.6	HS-5348-0	11	91	B	7500	
1633	25.0	HY-4506-0	23	79	A	2600	TRIODE NO. 1.
1633	25.0	HY-1203-0	23	79	A	2600	TRIODE NO. 2.
1634	12.6	HY-4506-1	11	48	A	1000	TRIODE NO. 1.
1634	12.6	HY-3206-1	11	48	A	1000	TRIODE NO. 2.
1635	6.3	HS-4308-0	11	0	A	500	TRIODE NO. 1.
1635	6.3	HS-5608-0	11	0	A	500	TRIODE NO. 2.
1641	5.0	ER-0X00-0	0	60	D	----	CONNECT LEFT CAP.
1641	5.0	BU-0X00-0	0	60	D	----	CONNECT RIGHT CAP.
1642	6.3	HR-4506-0	35	62	A	1375	TRIODE NO. 1.
1642	6.3	HR-X302-0	35	62	A	1375	TRIODE NO. 2.
1644	12.6	HW-1852-3	11	65	A	1500	PENTODE NO. 1.

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TUBE TYPE	FIL.	SELECTORS	BIAS	SHUNT	FUNCT.	MUT. COND	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
1644	12.6	HW-3452-1	11	65	A	1500	PENTODE NO. 2.
1654	1.4	BX-0X00-0	0	67	F	----	
1658	2.0	ER-3200-0	43	42	A	900	
1659	2.5	GR-X205-0	14	31	A	750	TRIODE SECTION.
1659	2.5	GR-0405-0	0	26	C	----	DIODE NO. 1.
1659	2.5	GR-0305-0	0	26	C	----	DIODE NO. 2.
1851	6.3	HS-X348-5	11	81	A	3000	
1852	6.3	HS-4865-3	11	81	A	3000	
1853	6.3	HS-4865-3	11	81	A	3000	
5516	6.3	HS-5X30-0	11	85	A	4000	
5556	4.3	ER-3200-0	26	47	A	980	
5610	6.3	ET-6102-0	27	85	A	4000	
5618	6.3	BX-6234-0	11	81	A	3000	
5633	6.3	EW-3X51-2	15	77	A	2400	
5634	6.3	EW-3X51-2	17	80	A	2900	
5635	6.3	DW-1708-4	19	81	A	3000	TRIODE NO. 1.
5635	6.3	DW-2508-4	19	81	A	3000	TRIODE NO. 2.
5637	6.3	DU-2105-0	22	65	A	1500	
5638	6.3	EW-3152-0	22	73	A	2000	
5639	6.3	DW-1572-0	15	87	A	4700	
5640	6.3	DW-1578-0	44	87	A	4500	
5641	6.3	DW-0205-0	0	50	D	----	
5645	6.3	FT-4102-0	29	75	A	2200	
5646	6.3	FT-4102-0	19	62	A	1400	
5647	6.3	CT-0104-0	0	79	C	----	DIODE.
5659	12.6	HS-5348-0	18	81	A	3000	
5660	12.6	HS-X368-0	20	55	A	1150	PENTODE SECTION.
5660	12.6	HS-0508-0	0	40	C	----	DIODE NO. 1.
5660	12.6	HS-0408-0	0	40	C	----	DIODE NO. 2.
5661	12.6	HS-4865-3	12	73	A	2000	
5662	6.3	ET-1705-0	--	94	F	----	STRIKES AT ABOUT 24. NOTE 2.
5663	6.3	ET-1752-0	--	88	D	----	STRIKES AT ABOUT 76. NOTE 2.
5679	6.3	JR-0607-5	0	70	C	----	DIODE NO. 1.
5679	6.3	JR-0302-5	0	70	C	----	DIODE NO. 2.
5690	6.3	HW-0508-0	0	88	D	----	UNIT NO. 1.
5690	6.3	CR-0304-0	0	88	D	----	UNIT NO. 2.
5691	6.3	HY-4506-2	11	48	A	1000	TRIODE NO. 1.
5691	6.3	HY-1203-5	11	48	A	1000	TRIODE NO. 2.
5692	6.3	HY-4506-2	23	75	A	2200	TRIODE NO. 1.
5692	6.3	HY-1203-5	23	75	A	2200	TRIODE NO. 2.
5693	6.3	HS-4865-3	11	68	A	1650	
5694	6.3	HS-4301-0	11	68	A	1650	TRIODE NO. 1.
5694	6.3	HS-5608-0	11	68	A	1650	TRIODE NO. 2.
5731	6.3	HS-4306-0	20	75	A	2200	USE ADAPTER SA-7, 1050-9.
5732	6.3	HS-X348-5	18	63	A	1450	
5742	4.3	ER-3200-0	10	39	A	850	
5785	1.1	GX-0100-0	0	0	C	----	DIODE. LEADS = 1-6-7.
5812	6.3	ET-1560-2	28	86	A	4300	
5823	OFF	AP-0103-0	0	91	F	----	PLACE 1 MEG. RESISTOR ACROSS PINS 1 & 4 OF LOCTAL SOCKET. DISREGARD SHORTS.
5824	25.0	HS-5348-0	55	85	A	4000	
5825	1.4	ER-0X00-0	0	0	F	----	OK ABOVE 500 ON 3000 SCALE.
5838	12.6	HS-0508-0	0	33	D	----	PLATE NO. 1.
5838	12.6	HS-0308-0	0	33	D	----	PLATE NO. 2.
5839	25.0	HS-0508-3	0	25	D	----	PLATE NO. 1.
5839	25.0	HS-0308-5	0	25	D	----	PLATE NO. 2.
5851	2.5	HR-8360-0	33	67	A	1600	
5854	1.1	DV-4120-0	36	0	A	500	
5875	1.1	DV-4120-0	12	43	A	1350	
5879	6.3	EV-1873-9	20	48	A	1000	
5886	1.1	DU-7210-0	30	0	C	----	OK ABOVE 500 ON 3000 SCALE.
5910	1.4	BX-6230-0	19	42	A	900	
5967	1.1	ES-6801-3	35	56	A	1200	TRIODE NO. 1.
5967	1.1	ES-3108-6	35	56	A	1200	TRIODE NO. 2.
5992	6.3	HS-5348-0	14	84	A	3500	
5995	6.3	ET-0105-0	0	55	D	----	LEADS = 1-3-4-5.
6000	25.0	HS-1583-0	12	89	A	6000	

TUBE TYPE	FIL.	SELECTORS	BIAS	SHUNT	FUNCT.	MUT. COND	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
6004	5.0	JS-0X00-0	0	30	D	----	NEAR CAP = P.
6004	5.0	JS-0X00-0	0	30	D	----	FAR CAP = P.
6007	1.1	DV-4210-0	13	0	C	----	OK ABOVE 500 ON 3000 SCALE.
6008	0.6	DV-4210-0	13	0	C	----	OK ABOVE 200 ON 3000 SCALE.
6026	6.3	EV-7803-0	25	86	A	4300	
6029	1.1	CU-3100-0	35	73	A	2000	
6087	5.0	JS-0600-0	0	30	D	----	PLATE NO. 1.
6087	5.0	JS-0400-0	0	30	D	----	PLATE NO. 2.
6088	1.1	DV-4120-0	20	0	B	500	
6094	6.3	DV-1428-0	11	86	A	4100	
6099	6.3	ET-5207-0	21	81	A	3000	TRIODE NO. 1.
6099	6.3	ET-6107-0	21	81	A	3000	TRIODE NO. 2.
6100	6.3	ET-6107-0	25	75	A	2200	
6101	6.3	ET-5207-6	21	85	A	4000	TRIODE NO. 1.
6101	6.3	ET-6107-5	21	85	A	4000	TRIODE NO. 2.
6106	5.0	JS-0600-0	0	25	D	----	PLATE NO. 1. SLOW HEATER.
6106	5.0	JS-0400-0	0	25	D	----	PLATE NO. 2. SLOW HEATER.
6113	6.3	HY-4506-2	11	48	A	1000	TRIODE NO. 1.
6113	6.3	HY-1203-5	11	48	A	1000	TRIODE NO. 2.
6145	6.3	JR-6237-4	11	86	A	4200	
6147	2.5	HR-8360-0	33	67	A	1600	
6169	6.3	DW-1204-0	15	86	A	4000	
6184	6.3	DW-0204-8	0	78	C	----	DIODE NO. 1.
6184	6.3	DW-0705-8	0	78	C	----	DIODE NO. 2.
6188	6.3	HY-4506-2	11	48	A	1000	TRIODE NO. 1.
6188	6.3	HY-1203-5	11	48	A	1000	TRIODE NO. 2.
6355	6.3	FT-1427-0	0	100	A	----	EYE 1 OPEN. EYE 2 CLOSED.
6355	6.3	FT-4127-0	0	100	A	----	EYE 2 OPEN. EYE 1 CLOSED.
6877	6.3	DV-1408-0	58	89	A	5400	
6888	6.3	HS-4865-3	35	65	A	1500	
6954	6.3	ET-1562-7	10	68	A	1650	
7754	6.3	EV-6917-0	30	94	A	9000	
8013A	4.3	ER-0X00-0	0	82	F	----	
8016	1.1	HS-0X00-0	0	80	F	----	OK ABOVE DIODES OK.
9001	6.3	ET-1567-0	20	53	A	1100	
9002	6.3	ET-6107-0	25	72	A	1900	
9003	6.3	ET-1562-0	12	65	A	1500	
9004	6.3	HS-0304-0	0	75	C	----	DIODE. USE ADAPTER SA-7, 1050-9.
9005	4.3	HS-0403-0	0	67	C	----	DIODE. USE ADAPTER SA-7, 1050-9.
9006	6.3	ET-0107-0	0	65	C	----	DIODE.
XXB	2.5	BY-5600-0	10	53	A	1100	TRIODE NO. 1.
XXB	2.5	JR-4300-0	10	53	A	1100	TRIODE NO. 2.
XXD	12.6	JR-5607-0	23	79	A	2600	TRIODE NO. 1.
XXD	12.6	JR-4302-0	23	79	A	2600	TRIODE NO. 2.
XXFM	6.3	JR-3204-0	11	27	A	700	TRIODE SECTION.
XXFM	6.3	JR-0504-0	0	77	C	----	DIODE NO. 1.
XXFM	6.3	JR-0607-0	0	77	C	----	DIODE NO. 2.
XXL	6.3	JR-6207-0	20	81	A	2600	

# 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. Prices listed below are subject to change without notice.

Model No.	Code No.	Description	Net Price
CA-4	1050-135	Universal Adapter, with sockets for testing Compactron, Novar, 5 and 7-pin Nuvistors, and Ten-Pin (not Decal) tube types. For use with Hickok Tube Testers not equipped with above sockets. Not available for obsolete Tube Testers such as Models 532, 533, 534, 536, 538, 539A, 546, 600, and 605 . . . . .	\$59.50
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. . . . .	\$10.80
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. . . . .	\$10.80
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, Universal Adapter. If you have a Universal Adapter, this Nuvistor Adapter is unnecessary. . . . .	\$10.80
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, Universal Adapter. If you have a Universal Adapter, this Novar Adapter is unnecessary. . . . .	\$10.80
SA-5	1050-129	Rimlock Adapter, for testing Foreign Rimlock tube types on all Hickok Tube Testers. . . . .	\$16.80
SA-6	1050-107	Septar Adapter, for testing Septar tube types such as 829B, 832A, etc., on all Hickok Tube Testers. . . . .	\$17.70
SA-7	1050-9	Acorn Adapter, for testing Acorn tube types on all Hickok Tube Testers not supplied with this socket on the panel. . . . .	\$20.10
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. . . . .	\$10.80
SA-9	1050-121	Pencil Tube Adapter, for testing Pencil tube types on all Hickok Tube Testers. . . . .	\$11.95
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. . . . .	\$10.80



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