

HICKOK

TUBE DATA BOOK

for use with

MODEL 799

**DYNAMIC MUTUAL CONDUCTANCE
TUBE TESTER**

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C. Hart

DISCARD ALL PAGES OF YOUR DATA BOOK, 2490-516 OR -516 "A", BOTH WHITE & PINK, AND INSERT THESE PAGES

TUBE DATA BOOK AND HOW TO USE IT

All tubes listed are in alpha-numerical sequence. As it is impractical to have all tubes used today inscribed on the front panel of the tester, only the more common tubes will be found there. However, the Tube Data Book contains the necessary test data for all entertainment type tubes, as well as duplicating the tubes inscribed on the panel.

Select the tube data line under the column headed "Tube Type" that corresponds to the number of the tube to be tested. The next column headed "Color" refers to the setting of the COLOR SELECTOR on the panel (R = red, G = green, or B = blue). The next column headed "Htr" refers to the

proper voltage setting of the filament or HEATER switch. The next two columns headed "Bias" and "Shunt" refer to the proper positioning of the BIAS and SHUNT controls on the panel. The column headed "Socket" refers to the proper socket into which the tube should be placed. The column headed "press" refers to the proper push-button switch to use to get a test reading. The column headed "Notations" refers to any special instructions for the particular tube to be tested and is found in the frame below, titled "NOTATIONS". A graphic presentation and explanation of the tube data line is found in the frame below, titled "EXPLANATION OF TYPICAL TUBE DATA LINE".

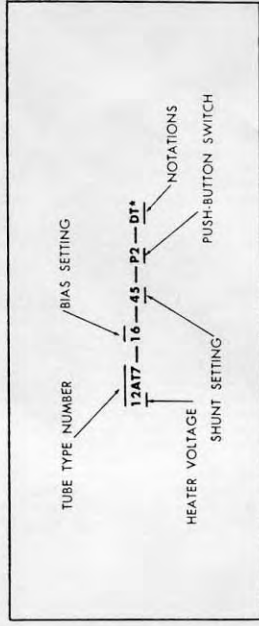
SYMBOLS AND ABBREVIATIONS	INTERPRETATIONS AND DIRECTIONS
P	Connect cap lead to P (plate) jack
DT	Dual type, repeat instructions while depressing P6
350 MIN.	Tube is satisfactory with minimum reading of 350
SHORT POS. 1	Good tube indicates short on LEAKAGE position 1
HTR-1.4V	Set HEATER switch to 1.4
*	Disregard short on LEAKAGE position 3 (SEE NOTE)
†	Make leakage test with HEATER switch OFF
★	Disregard gas test

NOTATIONS

SPECIAL NOTE FOR SOCKET 27: When testing tubes marked with an asterisk (*) in socket 27, make normal test but disregard Leakage switch position #3. Then make Heater-to-Cathode-leakage test as follows: (1) set Leakage switch on position #3; (2) set color selector on blue; (3) set P6 pushbutton switch "up." Meter deflection under these conditions indicates Heater-to-Cathode leakage.

ADAPTERS: Models SA-8 & SA-10, referred to in "Notations," are available through your authorized Hickok Representative, or from the factory

(B)



EXPLANATION OF TYPICAL TUBE DATA LINE

HICKOK MODEL 799 TUBE CHART

Tube Type	Color	Hr	Bias	Shunt	Socket	Press	Notations	Tube Type	Color	Hr	Bias	Shunt	Socket	Press	Notations
0Z4	R	---	0	36	1	P4	D. T.	3AF4	R	3	45	42	9	P2	
1A5	R	1.4	55	41	23	P1	↓	3AL5	R	3	0	49	21	P5, P3	D. T.
1A7	R	1.4	77	0	23	P1	↓	3AT2	R	3	0	33	24	P6, P3	Cap = P
1AD2	R	1.1	0	0	24	P6, P3	Cap = P	3AU6	R	3	21	42	11	P2	
1AE4	R	1.1	30	74	22	P1	↓	3AV6	G	3	10	0	10	P1	
1AF4	R	1.4	29	0	22	P1	↓	3AV6	B	3	10	40	10	P5, P3	D. T.
1AJ4	R	1.4	38	0	22	P1	↓	3AW2	G	3	0	43	24	P6, P3	Cap = P
1AU2	R	1.1	0	0	5	P5, P3	250 Min	3AW3	B	3	0	28	23	P6, P3	Cap = P
1AU3	B	1.1	0	0	23	P6, P3	Cap = P	3B2	G	3	0	18	23	P6, P3	* Cap = P
1AU3	B	1.1	0	0	6	P6, P3	Cap = P, 350 Min	3B5	R	3	77	60	23	P1	
1AX2	R	1.4	0	0	23	P6, P3	Cap = P, For GE tubes	3BA6	R	3	25	43	11	P2	
1B3	B	1.1	0	34	23	P6, P3	use SA-10 Adapter	3BC5	R	3	18	82	11	P2	
1B7	R	1.4	80	0	23	P1	↓	3BE6	R	3	21	78	11	P2	
1C5	R	1.4	63	79	23	P1	↓	3BN4	G	3	20	69	8	P2	
1C7	R	2	72	0	23	P1	↓	3BN4A	G	3	21	78	8	P2	
1D5	R	2	57	0	23	P1	↓	3BN6	R	3	0	20	38	P6, P3	
1D7	R	2	70	0	23	P1	↓	3BU8	R	3	17	61	19	P2	D. T.
1DN5	R	1.4	43	0	22	P1	↓	3BX6	R	3	17	85	26	P2	
1F5	R	2	37	86	23	P1	↓	3BY6	G	3	36	0	11	P2	
1G3	B	1.1	0	34	23	P6, P3	Cap = P, For GE tubes use SA-10 Adapter	3BY7	R	3	30	51	26	P2	
1G4	R	1.4	51	0	23	P1	↓	3BZ6	R	3	15	85	11	P2	
1G5	R	2	62	76	23	P1	↓	3C4	R	3	57	73	22	P1	
1H2	B	1.4	0	30	26	P6, P3	Cap = P	3CA3	B	3	0	36	23	P6, P3	Cap = P
1H4	R	1.4	47	0	23	P1	↓	3CB6	R	3	15	83	11	P2	
1J3, A	B	1.1	0	0	23	P6, P3	Cap = P, 350 Min	3CE5	R	3	18	82	11	P2	
1J5	R	2	64	56	23	P1	↓	3CF6	R	3	43	67	11	P1	
1K3	B	1.1	0	0	23	P6, P3	Cap = P, For GE tubes use SA-10 Adapter	3CS6	G	3	43	67	11	P1	
1L4	R	1.4	40	48	22	P1	↓	3CY5	R	3	31	0	11	P2	D. T.
1N2	B	1.1	0	34	23	P6, P3	Cap = P, For GE tubes use SA-10 Adapter	3DG4	R	3	0	63	13	P3	
1P5	R	1.4	29	0	23	P1	↓	3DK6	R	3	18	86	11	P2	
1Q5	R	1.4	50	86	23	P1	↓	3DT6	R	3	33	40	11	P1	
1R5	R	1.4	48	72	22	P1	↓	3DX4	R	3	29	66	9	P2	
1S2A	R	1.4	0	37	6	P6, P3	Cap = P	3DZ4	R	3	40	40	9	P2	
1S4	G	1.4	73	75	22	P1	↓	3E5	R	3	60	76	22	P1	
1T4	R	1.4	43	0	22	P1	↓	3EA5	R	3	14	81	11	P2	
1T5	R	1.4	60	58	23	P1	↓	3EH7	R	3	28	87	26	P2	
1U4	R	1.4	29	20	22	P1	↓	3EJ7	R	3	17	92	26	P2	
1U5	R	1.4	41	0	22	P1	↓	3ER5	R	3	13	81	8	P2	
1U5	G	1.4	0	40	22	P6, P5, P3	350 Min	3EV5	R	3	28	62	11	P2	
1V2	R	.6	0	0	5	P5, P3	250 Min	3FH5	R	3	16	83	8	P2	
1W4	R	1.4	67	46	22	P1	↓	3FQ5	R	3	16	85	8	P2	
								3FQ5A	R	3	10	74	11	P2	
								3FS5	R	3	10	74	11	P2	

1X2B	R	1.1	0	34	6	P6, P3	Cap = P	3FY5	R	3	15	84	8	P2	D.T.
2AF4	R	2.5	45	42	9	P2	Cap = P	3GK5	R	3	14	90	8	P2	
2AH2	R	2.5	0	34	24	P6, P3	Cap = P	3GS8	R	3	32	60	19	P1	
2AS2	R	2.5	0	34	24	P6, P3	250 Min	3GU5	R	3	25	82	11	P1	
2AV2	R	2	0	0	-5	P5, P3	Cap = P	3GW5	R	3	17	88	9	P2	
2AZ2	R	2	0	38	6	P6, P3	Cap = P	3HA5	R	3	19	82	11	P2	
2B3	B	2	0	34	23	P6, P3	Cap = P	3HK5	R	3	23	58	11	P2	
2B-H5	R	2	17	89	39	P2	Cap = P, Short normal	3HM5	R	3	19	82	11	P2	
2BJ2	R	2	0	40	35	P3	Pos. 2 & 3	3HM6	R	3	15	90	26	P2	
2BN4	G	2.5	20	69	8	P2		3HQ5	R	3	14	90	11	P2	
2BN4A	G	2.5	21	78	8	P2		3HS8	R	3	22	42	19	P2	D.T.
2C22	R	6.3	24	8	23	P1	Cap over key = P	3HT6	R	3	14	90	26	P2	
2C50	R	2.6	33	0	30	P2	Opposite cap = G	3JC6	R	3	15	90	26	P2	
2C52	R	2.5	17	84	39	P2	D.T.	3KF8	R	3	33	46	19	P1	D.T.
2CW4	R	2	17	84	39	P2	D.T. 160 Min	3Q4	G	3	53	82	22	P1	▲
2CX5	R	2.5	31	0	11	P2		3Q5	G	3	48	87	23	P1	▲
2DX4	R	2	17	77	39	P2		3S4	G	3	73	70	22	P1	▲
2DV4	R	2	32	41	29	P2		3V4	R	3	53	82	22	P1	
2DX4	R	2.5	29	66	9	P2		4AU6	R	4.3	21	42	11	P2	
2DZ4	R	2.5	40	40	9	P2		4AV6	B	4.3	10	0	10	P1	
2E30	R	6.3	37	59	11	P2	*	4BA6	B	4.3	10	40	10	P5, P3	
2EA5	R	2.5	14	81	11	P2		4BC5	R	4.3	25	43	11	P2	
2EN5	R	2	0	58	21	P3		4BC8	R	4.3	18	82	11	P2	
2EN5	B	2	0	58	20	P3		4BC8	R	4.3	20	70	27	P2	
2ER5	R	2.5	13	81	8	P2		4BE6	R	4.3	21	78	11	P2	
2ES5	R	2.5	13	72	8	P2		4BL8	R	4.3	20	78	28	P6, P2	
2EV5	R	2.5	28	62	11	P2		4BL8	B	4.3	25	52	28	P2	
2FH5	R	2.5	16	78	8	P2		4BN4	G	4.3	20	69	8	P2	
2FQ5	R	2.5	16	83	8	P2		4BN6	R	4.3	0	20	38	P5, P3	
2FQ5A	R	2.5	16	85	8	P2		4BQ7A	R	4.3	16	76	27	P2	D.T.
2FS5	R	2.5	10	74	11	P2		4BS8	R	4.3	20	77	27	P2	D.T.
2FV6	R	2.5	28	55	11	P2		4BU8	R	4.3	17	61	19	P2	D.T.
2FY5	R	2.5	15	84	8	P2		4BX8	R	4.3	38	85	27	P1	D.T.
2GK5	R	2.5	14	90	8	P2		4BZ6	R	4.3	15	85	11	P2	D.T.
2GU5	R	2.5	25	82	11	P1		4BZ7	R	4.3	20	77	27	P2	D.T.
2GW5	R	2.5	17	88	9	P2		4BZ8	R	4.3	16	84	27	P2	D.T.
2HA5	R	2.5	19	82	11	P2		4CB6	R	4.3	15	83	11	P2	
2HR5	R	2.5	23	58	11	P2		4CE5	R	4.3	18	82	11	P2	
2HM5	R	2.5	19	82	11	P2		4CM4	R	4.3	12	90	27	P6, P1	
2HQ5	R	2	14	90	11	P2		4CS6	G	4.3	43	67	11	P1	
2N-H11	R	2	17	77	39	P2		4CY5	R	4.3	31	0	11	P2	
2N-H12	R	2	32	41	29	P2		4DE6	R	4.3	22	74	11	P2	
2T4	R	2.5	41	40	9	P2		4DK6	R	4.3	18	86	11	P2	
2V3	B	2.5	0	34	23	P6, P3	Cap = P	4DT6	R	4.3	33	40	11	P1	
3A2	R	3	0	37	6	P6, P3	Cap = P, For GE tubes	4EJ7	R	4.3	28	87	26	P2	
3A3	B	3	0	28	23	P6, P3	use SA-10 Adapter	4ER5	R	3.0	13	81	8	P2	D.T.
								4ES8	R	4.3	25	80	27	P2	

HICKOK MODEL 799 TUBE CHART

Tube Type	Color	Htr	Bias	Shunt	Socket	Press	Notations	Tube Type	Color	Htr	Bias	Shunt	Socket	Press	Notations
4EW6	R	4.3	13	91	11	P2		5GX6	R	5	31	70	11	P1	
4FY5	R	4.3	15	84	8	P2		5HA7	B	5	15	10	31	P6,P2	
4GK5	R	4.3	17	90	8	P2		5HA7	R	5	15	10	14	P1	OK over 350
4GM6	R	4.3	17	87	11	P2									Short normal Pos. 1
4GS7	G	4.3	15	85	27	P2									
4CS7	G	4.3	35	42	27	P6,P2		5HC7	B	5	10	44	31	P6,P2	Short normal Pos. 1
4GS8	R	4.3	32	60	19	P1	D. T.	5HG8	R	5	0	45	16	P5,P3	
4GW5	R	4.3	17	88	9	P2		5HG8	G	5	16	89	19	P2	
4GZ5	R	4.3	22	87	20	P2		5J6	G	5	17	62	21	P2	D. T.
4HA5	R	4.3	19	82	11	P2		5JK6	R	4.3	20	87	11	P2	
4HA7	B	4.3	15	10	31	P6,P2	OK over 350, Short normal Pos. 1	5JL6	R	5	25	90	11	P2	
4HA7	R	4.3	15	10	14	P1	Short normal Pos. 1	5KD8	R	5	19	58	28	P6,P2	
4HC7	B	4.3	10	44	31	P6,P2		5K8	R	5	10	87	28	P2	
4HC7	R	4.3	6	5	14	P1		5KE8	B	5	10	76	28	P2	
4HG8	R	4.3	0	45	16	P5,P3		5KZ8	G	5	17	82	36	P6,P2	
4HG8	G	4.3	16	89	19	P2		5KZ8	G	5	14	82	36	P2	
4HK5	R	4.3	23	58	11	P2		5LJ8	G	5	10	90	27	P2	
4HM6	R	4.3	15	90	26	P2		5LJ8	G	5	22	41	27	P6,P2	
4HQ5	R	4.3	14	90	11	P2		5MB8	G	5	14	83	27	P2	
4HS8	R	4.3	22	42	19	P2	D. T.	5MB8	G	5	14	65	27	P6,P2	
4HT6	R	4.3	14	90	26	P2		5M-HH3	G	5	18	78	21	P2	
4JC6	R	4.3	15	90	26	P2		5M-K9	G	5	0	45	8	P5,P3	D. T.
4JD6	R	4.3	14	90	26	P2		5R4	R	5	0	63	1	P3	D. T.
4JK6	R	3	20	87	11	P2		5T4	R	5	0	63	1	P3	D. T.
4JL6	R	4.3	25	90	11	P2		5T8	G	5	10	0	17	P6,P1	350 Mln
4KF8	R	4.3	33	46	19	P1	D. T.	5T8	B	5	10	49	17	P5,P3	D. T.
4KN8	R	4.3	21	88	27	P2	D. T.	5T8	R	5	10	49	17	P3	D. T.
4M-P26	R	4.3	54	40	11	P2		5U4	R	5	0	63	1	P3	Short normal Pos. 1
4R-HH8	R	4.3	21	88	27	P2	D. T.	5U8	R	5	20	57	28	P6,P2	
5AM8	R	5	15	83	4	P2		5U8	B	5	14	78	28	P2	
5AM8	R	5	15	58	4	P6,P5,P3		5U9	R	6.3	23	81	7	P2	
5AN8	R	5	21	83	17	P2		5U9	R	6.3	28	47	7	P6,P2	
5AN8	R	5	23	40	27	P6,P2		5V3	R	5	0	63	1	P3	D. T.
5AQ5	G	5	30	44	11	P2		5V4	R	5	16	54	23	P2	D. T.
5AR4	R	5	0	63	1	P3	D. T.	5V6	R	5	16	54	23	P2	D. T.
5AS4A	R	5	0	63	1	P3	D. T.	5W4	R	5	0	63	1	P3	D. T.
5AS8	G	5	21	71	4	P2		5X4	B	5	0	63	30	P3	D. T.
5AS8	G	5	21	88	4	P6,P5,P3		5X8	G	5	16	67	19	P2	D. T.
5AT8	G	5	18	55	27	P2		5X8	G	5	16	69	19	P6,P2	
5AT8	G	5	10	55	27	P6,P2		5X9	R	6.3	20	90	7	P2	
5AU4	R	5	0	63	1	P3	D. T.	5X9	R	6.3	10	47	7	P6,P2	
5AV8	R	5	14	45	28	P5,P3		5Y3	R	5	0	63	1	P3	D. T.
5AV8	R	5	14	60	6	P2		5Y4	B	5	0	63	30	P3	D. T.

HICKOK MODEL 799 TUBE CHART

Tube Type	Color	Htr	Bias	Shunt	Socket	Press	Notations	Tube Type	Color	Htr	Bias	Shunt	Socket	Press	Notations
6AN8	R	6.3	21	83	17	P2		6BG6	G	6.3	23	72	12	P2	Cap = P
6AN9	R	6.3	23	40	27	P6, P2		6BH3	R	6.3	0	63	3	P3	
6A04	G	6.3	10	80	10	P2		6BH6	R	6.3	19	0	11	P2	
6AQ5A	G	6.3	30	44	11	P2		6BH8	G	6.3	24	78	19	P2	
6AQ6	G	6.3	18	0	10	P1		6BH8	G	6.3	35	88	19	P6, P1	
6AQ6	B	6.3	18	40	10	P5, P3	D. T.	6BJ3	R	6.3	0	63	31	P3	
6AQ7	R	6.3	24	0	30	P1	350 Min	6BJ6	G	6.3	32	83	11	P1	
6AQ7	R	6.3	0	45	1	P5, P3		6BJ7	R	6.3	0	45	18	P5, P3	
6AQ8	R	6.3	10	77	27	P2	D. T.	6B77	B	6.3	0	45	17	P6, P5, P3	
6AR3	R	6.3	22	90	11	P1		6B77	R	6.3	25	33	36	P2	
6AR8	R	6.3	20	33	34	P2	D. T.	6B78	R	6.3	25	35	36	P6, P5, P3	
6AR11	G	6.3	28	87	32	P1	D. T.	6BJ8	B	6.3	25	55	36	P5, P3	
6AS5	R	6.3	48	46	20	P2		6BK4	B	6.3	0	47	23	P6, P5, P3	Cap = P
6AS6	R	6.3	28	58	11	P2		6BK5	B	6.3	0	63	19	Make Leakage Test Only	Short normal Pos. 1
6AS7	R	6.3	95	91	30	P1	D. T.	6BK5	G	6.3	0	63	19	P6, P3	
6AS8	G	6.3	21	71	4	P2		6BK6	G	6.3	10	0	10	P1	
6AS11	G	6.3	21	58	4	P6, P5, P3		6BK6	B	6.3	10	50	10	P5, P3	D. T.
6AS11	R	6.3	25	83	31	P6, P2	Short Normal Pos. 1	6BK7	R	6.3	21	89	27	P1	D. T.
6AS11	R	6.3	10	65	31	P6, P2	Permissible short in Pos. 1	6BK11	B	6.3	10	38	31	P6, P1	Short normal Pos. 1
6AS11	R	6.3	11	52	31	P2		6BK11	R	6.3	0	0	14	P1	
6AT6	G	6.3	18	0	10	P1		6BK11	B	6.3	0	45	24	P5, P3	
6AT6	B	6.3	18	40	10	P5, P3	D. T.	6BL7	R	6.3	15	79	30	P2	
6AT8	G	6.3	18	55	27	P2		6BL8	R	6.3	20	78	28	P6, P2	
6AT8	G	6.3	10	55	27	P6, P2		6BL8	B	6.3	25	52	28	P2	
6AU4	G	6.3	0	63	1	P3		6BM8	B	6.3	0	63	28	P3	
6AU5	B	6.3	67	83	12	P1		6BM8	B	6.3	0	63	19	P6, P3	
6AU6A	R	6.3	21	42	11	P2		6BN4	G	6.3	20	69	8	P2	
6AU7	R	6.3	21	89	27	P1		6BN4A	G	6.3	21	78	8	P2	
6AU8	G	6.3	24	78	19	P2	* D. T.	6BN6	R	6.3	0	20	38	P5, P3	
6AU8	G	6.3	18	45	19	P6, P2		6BN8	R	6.3	15	55	36	P2	
6AU8A	G	6.3	18	45	19	P2		6BN8	R	6.3	15	55	36	P6, P5, P3	
6AU8A	G	6.3	24	75	19	P2		6BQ5	B	6.3	20	88	26	P2	
6AV5	B	6.3	67	88	12	P1		6BQ5	G	6.3	20	88	26	P2	
6AV6	G	6.3	10	0	10	P1		6BQ6GTA	R	6.3	60	50	23	P2	Cap = P
6AV6	B	6.3	10	40	10	P5, P3	D. T.	6BQ6GTB	R	6.3	60	60	23	P2	Cap = P
6AV11	B	6.3	16	10	31	P6, P2		6BQ7A	R	6.3	16	76	27	P2	D. T.
6AV11	R	6.3	16	10	14	P2		6BR3	G	6.3	0	63	17	P3	Cap = K
6AV11	B	6.3	0	45	24	P5, P3	Short normal Pos. 1	6BR7	R	6.3	32	80	26	P1	
6AV8	G	6.3	26	83	19	P2		6BR8	G	6.3	20	57	27	P6, P2	
6AW8	G	6.3	15	40	19	P6, P2		6BR8	G	6.3	14	78	27	P2	
6AW8A	G	6.3	22	87	19	P2		6BS3	R	6.3	0	63	3	P1	
6AW8A	G	6.3	14	45	19	P6, P2		6BS7	R	6.3	32	80	26	P1	Cap = G
6AX3	R	6.3	0	63	31	P3		6BS8	R	6.3	20	77	27	P2	D. T.

6AX4	G	6.3	0	63	1	P3		6BT6	G	6.3	18	0	P1	D. T.
6AX5	R	6.3	0	63	12	P3		6BT6	B	6.3	18	50	P5,P3	
6AX5	R	6.3	0	63	23	P3		6BT8	R	6.3	16	75	P2	
6AX7	R	6.3	10	0	27	P1	* D. T.	6BT8	R	6.3	16	44	P6,P5,P3	Short normal Pos. 2
6AX8	R	6.3	25	57	28	P6,P2		6BT8	R	6.3	16	44	P1	D. T.
6AX8	B	6.3	15	82	28	P2		6BU6	G	6.3	23	86	P5,P3	D. T.
6AY3	R	6.3	0	63	3	P3		6BU6	B	6.3	23	50	P2	
6AY11	R	6.3	14	5	32	P1	Short normal Pos. 1	6BU8	R	6.3	17	61	P2	
6AY11	R	6.3	14	5	24	P1	Short normal Pos. 2	6BV8	R	6.3	20	60	P2	
6AY11	G	6.3	0	45	31	P6,P5,P3	Short normal Pos. 1	6BV8	R	6.3	0	45	P5,P3	Short normal Pos. 2
6AY11	G	6.3	0	45	14	P5,P3	Short normal Pos. 2	6BV8	R	6.3	0	45	P5,P3	Short normal Pos. 1
6AY11	G	6.3	0	45	16	P5,P3	Short normal Pos. 1	6BW4	R	6.3	0	45	P6,P5,P3	Short normal Pos. 1
6AZ8	B	6.3	0	45	5	P2	Short normal Pos. 1	6BW4	R	6.3	0	45	P5,P3	Short normal Pos. 2
6B4	G	6.3	58	57	23	P2		6BW8	G	6.3	0	45	P5,P3	Short normal Pos. 2
6B10	G	6.3	23	0	14	P2	D. T.	6BW8	R	6.3	0	45	P5,P3	Short normal Pos. 2
6B10	B	6.3	23	49	14	P5,P3	D. T.	6BW8	R	6.3	17	85	P2	
6BA3	R	6.3	0	63	3	P3		6BX7	R	6.3	42	70	P2	D. T.
6BA6	R	6.3	25	43	11	P2		6BX8	R	6.3	38	85	P1	D. T.
6BA7	G	6.3	0	60	27	P6,P3		6BY5	R	6.3	0	45	P5,P3	
6BA8	G	6.3	26	83	19	P2		6BY5	R	6.3	0	45	P5,P3	
6BA8	G	6.3	35	87	19	P6,P1		6BY6	G	6.3	36	0	P2	
6BA11	R	6.3	32	79	33	P1		6BY7	R	6.3	30	51	P2	
6BA11	R	6.3	35	81	33	P6,P1		6BY8	G	6.3	15	73	P2	
6BA11	R	6.3	0	60	19	P6,P3	Short normal Pos. 1	6BY8	R	6.3	0	45	P5,P3	
6BC5	G	6.3	18	82	11	P2		6BZ6	R	6.3	15	85	P2	
6BC7	R	6.3	0	45	18	P5,P3		6BZ7	R	6.3	20	77	P2	D. T.
6BC7	R	6.3	0	45	17	P5,P3		6BZ8	R	6.3	16	84	P2	D. T.
6BC7	B	6.3	0	45	17	P6,P5,P3		6C4	R	6.3	17	0	P2	
6BC8	R	6.3	20	70	27	P2	D. T.	6C5	G	6.3	22	86	P1	
6BD4A	B	6.3	0	34	23	P6,P5,P3	Cap = P	6C9	R	6.3	27	75	P2	D. T.
6BD5	B	6.3	53	83	12	P1		6C10	R	6.3	0	10	P6,P1	Short normal Pos. 1
6BD6	R	6.3	36	86	11	P1		6C10	B	6.3	0	10	P1	
6BD7A	B	6.3	22	20	18	P6,P1		6C10	B	6.3	0	45	P5,P3	
6BD7A	B	6.3	0	40	34	P5,P3		6CA4	R	6.3	0	63	P6,P3	
6BD7A	B	6.3	0	40	16	P5,P3		6CA4	G	6.3	0	63	P3	
6BD11	G	6.3	22	87	31	P6,P2	Short normal Pos. 1	6CA5	R	6.3	35	83	P2	
6BD11	R	6.3	14	68	31	P6,P2	Permissible short in Pos. 1	6CA7	R	6.3	33	86	P2	
6BD11	R	6.3	14	68	31	P6,P2		6CB5	B	6.3	0	63	P3	Cap = P. Short normal Pos. 1
6BD11	R	6.3	11	52	31	P2		6CB5	R	6.3	15	83	P2	
6BE3	R	6.3	0	63	31	P3		6CB6	R	6.3	0	60	P3	
6BE6	R	6.3	21	78	11	P2		6CD3	R	6.3	0	60	P3	
6BE8	G	6.3	20	60	27	P2		6CD6	G	6.3	76	44	P2	Cap = P
6BE8	G	6.3	14	82	27	P6,P2		6CE3	R	6.3	0	63	P3	
6BF5	G	6.3	47	65	11	P2		6CF5	R	6.3	18	82	P2	
6BF6	G	6.3	23	86	10	P1		6CF6	R	6.3	18	80	P2	
6BF6	B	6.3	23	40	10	P5,P3	D. T.	6CG3	R	6.3	0	60	P3	
6BF11	R	6.3	42	73	32	P2		6CG7	R	6.3	25	90	P1	D. T.
6BF11	R	6.3	32	78	32	P6,P1								

HICKOK MODEL TUBE CHART

Tube Type	Color	Htr	Bias	Shunt	Socket	Press	Notations	Tube Type	Color	Htr	Bias	Shunt	Socket	Press	Notations
6CG8A	G	6.3	16	77	27	P2		6DT8	R	6.3	10	79	27	P2	D. T.
6CG8A	G	6.3	19	66	27	P6, P2		6DV4	R	6.3	32	41	29	P2	
6CH7	R	6.3	20	76	17	P2	D. T.	6DW4	R	6.3	0	63	3	P3	
6CH8	R	6.3	20	78	19	P6, P2		6DW5	R	6.3	65	45	5	P2	
6CH8	G	6.3	0	45	19	P5, P3		6DX4	R	6.3	29	66	9	P2	
6CJ3	R	6.3	0	63	3	P3		6DX6	G	6.3	15	40	27	P6, P2	
6CK3	R	6.3	0	63	3	P3		6DX8	G	6.3	15	88	17	P2	
6CK4	R	6.3	0	50	12	P6, P3		6DZ4	R	6.3	40	40	9	P2	
6CL5	B	6.3	0	63	12	P3	Cap = P, Short normal Pos. 1	6DZ8	B	6.3	0	60	28	P3	Short Normal Pos. 2
6CL6	G	6.3	24	88	5	P2		6EA5	B	6.3	14	81	11	P2	
6CL8	G	6.3	18	75	27	P2		6EA7	R	6.3	25	0	30	P1	
6CL8	G	6.3	18	80	27	P6, P2		6EA7	R	6.3	61	55	30	P6, P2	
6CM4	R	6.3	12	90	27	P6, P2		6EA8	R	6.3	20	68	28	P6, P2	
6CM6	R	6.3	20	55	5	P2		6EA8	B	6.3	13	83	28	P2	
6CM7	R	6.3	30	85	16	P1		6EB5	R	6.3	0	49	21	P5, P3	D. T.
6CM7	R	6.3	20	73	16	P6, P2		6EB8	G	6.3	20	90	19	P2	
6CM8	G	6.3	18	78	36	P6, P2		6EB8	G	6.3	10	47	19	P6, P1	
6CM8	G	6.3	18	28	36	P1		6EH5	R	6.3	30	89	20	P2	
6CN6	R	6.3	23	88	23	P2	Cap = P	6EH7	R	6.3	28	87	26	P2	
6CN7	B	6.3	0	45	5	P5, P3		6EH8	G	6.3	20	69	19	P2	
6CN7	R	6.3	0	45	27	P6, P5, P3	*	6EH8	G	6.3	18	74	19	P6, P2	
6CN7	R	6.3	0	0	19	P1	*	6EJ7	R	6.3	17	92	26	P2	
6CQ4	G	6.3	0	63	1	P3		6EM5	R	6.3	33	72	5	P2	
6CQ6	B	6.3	10	10	9	P2		6EM7	R	6.3	60	70	30	P6, P2	
6CQ8	R	6.3	18	75	28	P6, P2		6EM7	R	6.3	32	80	36	P6, P1	
6CQ8	B	6.3	18	80	28	P2		6EQ7	G	6.3	0	43	26	P5, P3	
6CR6	B	6.3	0	45	21	P5, P3	Jumper K to G.	6ER5	R	6.3	13	81	8	P2	
6CR6	B	6.3	0	45	20	P5, P3	Short normal Pos. 2	6ES5	R	6.3	13	72	8	P2	D. T.
6CS5	R	6.3	48	71	5	P2		6ES6	G	6.3	0	48	20	P5, P3	
6CS6	G	6.3	43	67	11	P1		6ES8	R	6.3	25	80	27	P2	
6CS7	R	6.3	27	86	18	P1		6ET6	G	6.3	0	47	20	P5, P3	
6CS7	R	6.3	33	44	18	P6, P2		6ET7	G	6.3	20	90	19	P2	
6CU5	R	6.3	44	73	20	P2		6ET7	G	6.3	20	40	19	P6, P5, P3	
6CU6	R	6.3	60	60	23	P2	Cap = P	6ET7	R	6.3	20	40	19	P6, P5, P3	
6CU8	R	6.3	20	78	19	P6, P2		6EU7	R	6.3	10	0	35	P1	D. T.
6CU8	G	6.3	0	45	19	P5, P3		6EU8	R	6.3	0	45	19	P5, P3	Short normal Pos. 1
6CW4	G	6.3	17	84	39	P2		6EU8	G	6.3	0	45	36	P5, P3	
6CW5	G	6.3	30	84	26	P2		6EV5	R	6.3	28	62	11	P2	
6CW7	R	6.3	28	62	4	P2		6EV7	R	6.3	10	58	27	P2	
6CW7	B	6.3	0	45	6	P5, P3		6EW6	R	6.3	13	91	11	P2	
6CX8	B	6.3	30	80	19	P2		6EW7	R	6.3	33	85	18	P1	
6CX8	G	6.3	15	45	19	P6, P2		6EW7	R	6.3	56	72	18	P6, P2	

6CY5	R	6.3	31	0	11	P2	6EX6	G	6.3	60	77	'12	P2	Cap = P
6CY7	R	6.3	19	b	18	P1	6EY6	R	6.3	24	64	23	P2	
6CY7	R	6.3	61	44	18	P6, P2	6EZ5	R	6.3	30	64	23	P2	
6CZ5	R	6.3	26	68	5	P2	6EZ8	B	6.3	0	85	19	P2	↓
6D8	R	6.3	54	69	23	P1	6EZ8	R	6.3	0	88	27	P2	↓
6D10	B	6.3	15	46	31	P6, P2	6EZ8	R	6.3	15	47	6	P2	↓
6D10	R	6.3	15	46	14	P2	6F5	R	6.3	5	0	23	P1	Cap = G
6DA4	B	6.3	0	46	24	P5, P3	6F19	R	6.3	25	87	23	P1	
6DA6	G	6.3	0	63	1	P3	6F19	R	6.3	30	51	26	P2	
6DA7	R	6.3	29	27	26	P2	6FA7	G	6.3	32	35	19	P1	
6DA7	R	6.3	31	87	18	P1	6FA7	G	6.3	32	40	19	P1	
6DB5	R	6.3	58	52	18	P6, P2	6FD6	G	6.3	0	46	20	P5, P3	
6DB6	R	6.3	48	71	5	P2	6FD7	R	6.3	20	20	18	P1	
6DC6	R	6.3	48	71	5	P2	6FD7	R	6.3	59	60	18	P6, P2	
6DC8	R	6.3	19	48	11	P2	6FE5	R	6.3	54	60	23	P2	
6DC8	B	6.3	23	55	11	P2	6FG5	R	6.3	10	55	11	P1	
6DC8	B	6.3	36	0	28	P2	6FG7	G	6.3	18	76	27	P2	
6DC8	G	6.3	0	45	28	P5, P3	6FG7	G	6.3	18	70	27	P6, P2	
6DC8	G	6.3	0	45	27	P5, P3	6FH5	G	6.3	16	78	8	P2	
6DE4	G	6.3	0	63	1	P3	6FH6	R	6.3	60	64	23	P2	Cap = P
6DE6	G	6.3	22	74	11	P2	6FH8	R	6.3	32	85	34	P2	
6DE7	R	6.3	33	85	18	P1	6FH8	R	6.3	45	10	34	P1	* D. T.
6DE7	R	6.3	59	66	18	P6, P2	6FJ7	G	6.3	19	89	2	P1	
6DE7	R	6.3	46	72	23	P2	6FJ7	R	6.3	19	84	2	P6, P2	
6DG6	R	6.3	46	72	23	P2	6FM7	R	6.3	14	62	2	P1	
6DG7	B	6.3	25	50	26	P2	6FM7	R	6.3	62	66	2	P6, P2	
6DJ8	R	6.3	24	86	27	P2	6FM7	R	6.3	62	66	2	P1	
6DK6	R	6.3	18	86	11	P2	6FM8	G	6.3	0	0	17	P1	
6DL5	G	6.3	26	62	11	P2	6FM8	B	6.3	0	45	5	P5, P3	
6DM4	G	6.3	0	63	1	P3	6FM8	R	6.3	0	45	36	P6, P5, P3	
6DN6	G	6.3	65	68	12	P2	6FQ5	R	6.3	16	83	8	P2	
6DN7	R	6.3	30	85	30	P1	6FQ5A	R	6.3	15	85	8	P2	
6DN7	R	6.3	30	83	30	P6, P2	6FQ7	R	6.3	25	89	27	P1	D. T.
6DN7	R	6.3	0	63	1	P3	6FR7	R	6.3	20	20	18	P1	
6DQ5	B	6.3	86	47	12	P2	6FR7	R	6.3	60	70	18	P6, P2	
6DQ6	R	6.3	59	60	23	P2	6FS5	R	6.3	10	74	11	P2	
6DQ6A	R	6.3	59	67	23	P2	6FV6	R	6.3	28	55	11	P2	
6DQ6B	R	6.3	59	73	23	P2	6FV8	G	6.3	19	73	27	P2	
6DR4	G	6.3	10	0	20	P1	6FV8	G	6.3	16	82	27	P6, P2	
6DR7	R	6.3	20	20	18	P1	6FW5	B	6.3	73	89	12	P1	D. T.
6DR7	R	6.3	59	66	18	P6, P2	6FW5	R	6.3	24	86	27	P2	
6DR8	B	6.3	0	45	27	P6, P5, P3	6FY5	R	6.3	15	84	8	P2	
6DR8	G	6.3	0	40	34	P5, P3	6FY7	R	6.3	20	20	2	P1	
6DR8	G	6.3	0	40	36	P6, P5, P3	6FY7	R	6.3	57	68	2	P6, P2	
6DS4	G	6.3	17	77	39	P2	6FY8	B	6.3	0	58	28	P3	
6DS5	R	6.3	29	75	11	P2	6FY8	B	6.3	0	60	19	P6, P1	
6DS8	G	6.3	0	45	27	P6, P5, P3	6G6	R	6.3	42	81	23	P1	
6DS8	G	6.3	0	45	17	P6, P5, P3	6G11	R	6.3	52	50	32	P2	
6DT5	R	6.3	36	74	5	P1	6G11	R	6.3	52	50	32	P2	
6DT6	R	6.3	33	40	11	P1		R	6.3	32	80	32	P6, P1	

Tube Type	Color	Htr	Bias	Shunt	Socket	Press	Notations	Tube Type	Color	Htr	Bias	Shunt	Socket	Press	Notations
6GB3	R	6.3	40	79	23	P2	Cap = P	6JD6	R	6.3	14	90	26	P2	Cap = P
6GB5	R	6.3	0	63	36	P6, P3	Cap = P. Use SA-8 Adapter	6JE6	G	6.3	79	74	3	P2	
6GC5	R	6.3	48	71	5	P2	Cap = P	6JE8	G	6.3	20	88	19	P6, P2	
6GC6	G	6.3	61	68	12	P2		6JF6	G	6.3	15	45	19	P1	
6GD7	G	6.3	10	90	27	P6, P2		6JG6	B	6.3	90	86	3	P1	
6GF5	G	6.3	10	80	27	P6, P2		6JH6	R	6.3	17	82	11	P2	
6GF5	R	6.3	62	69	24	P2		6JH8	R	6.3	20	57	34	P2	
6GF5	R	6.3	70	38	24	P2		6JK6	R	6.3	20	87	11	P2	
6GF7	R	6.3	22	0	15	P1		6JK8	R	6.3	29	87	27	P1	
6GF7	R	6.3	61	72	15	P6, P2		6JK8	R	6.3	18	84	27	P2	
6GF8	R	6.3	17	82	28	P6, P2		6JL6	R	6.3	25	90	11	P2	
6GH8	B	6.3	14	84	28	P2		6JL8	G	6.3	26	86	19	P2	
6GH8	G	6.3	14	84	28	P2		6JL8	G	6.3	19	44	19	P6, P2	
6GL7	B	6.3	8	75	3	P2	Cap = P	6JN8	G	6.3	19	81	27	P2	
6GL8	R	6.3	18	82	28	P6, P2		6JN8	G	6.3	16	82	27	P6, P2	
6GJ8	B	6.3	16	84	28	P2		6JT6	B	6.3	58	75	3	P2	
6GK5	R	6.3	14	90	8	P2		6JT8	G	6.3	27	89	19	P2	
6GK5	R	6.3	15	90	26	P2		6JT8	G	6.3	20	20	19	P6, P1	
6GL7	R	6.3	25	0	30	P1		6JU8	R	6.3	0	49	16	P6, P5, P3	
6GL7	R	6.3	60	8	30	P6, P2		6JU8	G	6.3	0	49	16	P5, P3	
6GM5	R	6.3	16	86	5	P2		6JV8	G	6.3	17	87	19	P2	
6GM6	R	6.3	17	87	11	P2		6JV8	G	6.3	15	40	19	P6, P2	
6GN8	R	6.3	20	90	19	P2		6JW8	R	6.3	23	39	28	P6, P2	
6GN8	G	6.3	10	15	19	P6, P1		6JW8	B	6.3	14	39	28	P2	
6GN8	G	6.3	10	15	19	P5, P3		6JX8	G	6.3	0	45	17	P6, P5, P3	
6GQ7	B	6.3	0	45	17	P5, P3		6JX8	G	6.3	0	45	17	P6, P5, P3	
6GQ7	R	6.3	0	45	17	P6, P5, P3		6JY8	G	6.3	22	87	19	P2	
6GQ7	R	6.3	32	60	19	P1	D. T.	6JZ8	G	6.3	14	86	19	P6, P2	
6G88	R	6.3	58	75	3	P2		6K5	G	6.3	32	46	2	P6, P2	
6GT5	G	6.3	25	82	11	P1		6K5	R	6.3	21	0	23	P1	
6GU5	R	6.3	30	40	27	P2	D. T.	6K5	R	6.3	30	90	23	P1	
6GU7	R	6.3	65	59	24	P2	Cap = P	6K6	R	6.3	34	85	23	P1	
6GV5	G	6.3	47	78	27	P2		6K7	R	6.3	34	85	23	P6, P3	
6GV8	R	6.3	17	70	27	P6, P2		6K8	R	6.3	0	60	12	P6, P2	
6GV8	R	6.3	17	88	9	P2		6K8	R	6.3	19	10	14	P1	
6GW5	R	6.3	17	88	9	P2	Cap = P	6K11	B	6.3	0	0	31	P1	Short normal Pos. 1
6GW6	R	6.3	59	73	23	P2	250 Min	6K11	R	6.3	0	45	24	P5, P3	
6GW8	G	6.3	10	10	17	P5, P3	Jumper K to G	6K11	B	6.3	0	45	24	P2	
6GW8	B	6.3	0	45	19	P5, P3	Short normal Pos. 2	6KA8	G	6.3	15	44	28	P2	
6GX6	R	6.3	31	70	11	P1	Cap = P	6KA8	B	6.3	20	77	28	P2	
6GY5	G	6.3	67	59	24	P2		6KD6	G	6.3	18	50	24	P2	Cap = P
6GY6	R	6.3	20	60	11	P2		6KD8	R	6.3	79	58	28	P6, P2	
6GZ5	R	6.3	22	87	20	P2		6KD8	B	6.3	15	80	28	P2	
6H4	R	6.3	0	45	23	P5, P3		6KE8	R	6.3	10	87	28	P6, P2	
								6KE8	B	6.3	10	76	28	P2	

6HA5	R	6.3	19	82	11	P2	6KF8	R	6.3	33	46	19	P1	D. T.
6HA6	R	6.3	23	90	26	P2	6KL8	G	6.3	31	40	36	P6, P1	
6HB5	R	6.3	67	59	24	P2	6KL8	G	6.3	0	45	26	P5, P3	Cap = P
6HB6	R	6.3	25	60	28	P2	6KM6	G	6.3	73	40	3	P2	
6HC8	B	6.3	0	60	28	P3	6KM8	R	6.3	10	68	37	P2	
6HD5	B	6.3	0	60	19	P6, P3	6KM8	R	6.3	10	68	19	P2	
6HE5	G	6.3	67	60	33	P2	6KM8	R	6.3	0	43	19	P6, P5, P3	Cap = P
6HF5	B	6.3	32	67	31	P2	6KN6	G	6.3	63	67	24	P2	D. T.
6HF5	B	6.3	90	42	31	P2	6KN8	G	6.3	21	88	27	P2	
6HF8	G	6.3	22	89	19	P2	6KR8	G	6.3	27	89	19	P2	
6HF8	G	6.3	15	40	19	P6, P2	6KR8	G	6.3	14	86	19	P6, P2	
6HG5	G	6.3	30	44	11	P2	6KS6	G	6.3	0	20	38	P5, P3	
6HG8	R	6.3	0	45	16	P5, P3	6KS8	G	6.3	30	83	19	P2	
6HG8	R	6.3	16	89	19	P2	6KS8	G	6.3	15	40	19	P6, P2	
6HL5	G	6.3	0	63	24	P3	6KT8	G	6.3	17	86	19	P2	
6HL8	R	6.3	22	79	4	P2	6KT8	G	6.3	14	20	19	P6, P2	
6HJ8	R	6.3	22	58	4	P6, P5, P3	6KT8	G	6.3	27	89	19	P2	
6HK5	R	6.3	23	58	11	P2	6KU8	G	6.3	27	40	19	P6, P5, P3	
6HL5	G	6.3	39	81	26	P2	6KU8	G	6.3	27	40	19	P6, P5, P3	
6HL8	R	6.3	17	86	28	P6, P2	6KV8	G	6.3	22	86	19	P2	
6HM5	B	6.3	14	81	28	P2	6KV8	G	6.3	15	40	19	P6, P2	
6HM5	R	6.3	19	82	11	P2	6KY8	R	6.3	20	60	15	P1	
6HM6	R	6.3	15	90	26	P2	6KY8	R	6.3	52	50	15	P6, P2	
6HQ5	R	6.3	14	89	11	P2	6KZ8	G	6.3	17	82	36	P6, P2	
6HR5	G	6.3	37	30	11	P2	6KZ8	G	6.3	14	84	36	P2	
6HR6	R	6.3	20	70	11	P2	6L5	R	6.3	24	86	23	P1	
6HS6	R	6.3	23	71	11	P2	6L6	R	6.3	25	69	23	P2	
6HS8	R	6.3	22	42	19	P2	6L7	R	6.3	37	82	23	P1	Cap = G
6HT6	R	6.3	14	90	26	P2	6LB8	G	6.3	27	89	19	P2	
6HZ6	R	6.3	31	72	11	P1	6LB8	G	6.3	16	49	19	P6, P2	
6HZ8	G	6.3	25	89	19	P2	6LC8	B	6.3	14	50	28	P2	
6J4	G	6.3	15	40	19	P6, P2	6LC8	G	6.3	25	45	28	P2	
6J5	G	6.3	15	89	38	P2	6LF8	G	6.3	25	86	19	P2	
6J6	R	6.3	25	90	23	P1	6LF8	G	6.3	15	40	19	P6, P2	
6J7	R	6.3	17	62	21	P2	6LJ8	G	6.3	10	90	27	P2	
6J10	R	6.3	35	48	23	P1	6LJ8	G	6.3	22	41	27	P6, P2	
6J10	R	6.3	19	82	14	P2	6LM8	B	6.3	24	60	28	P6, P2	
6J11	R	6.3	31	0	14	P6, P1	6LM8	B	6.3	14	78	28	P2	
6J11	R	6.3	0	45	33	P6, P5, P3	6LN8	R	6.3	20	72	28	P6, P2	
6JA8	G	6.3	0	45	33	P5, P3	6LN8	B	6.3	30	42	28	P2	
6JA8	G	6.3	20	88	19	P2	6LQ8	B	6.3	22	90	19	P2	
6JA8	G	6.3	15	40	19	P6, P2	6LQ8	G	6.3	14	86	19	P6, P2	
6JB6	G	6.3	58	75	3	P2	6LX8	G	6.3	23	39	28	P6, P2	
6JB8	R	6.3	34	77	28	P6, P1	6LX8	B	6.3	14	39	28	P2	
6JB8	B	6.3	17	17	28	P2	6LY8	C	6.3	24	90	19	P2	
6JC6	R	6.3	15	90	26	P2	6LY8	G	6.3	5	5	19	P6, P1	
6JC8	R	6.3	17	75	28	P2	6M11	R	6.3	0	45	14	P5, P3	
6JC8	G	6.3	15	78	17	P2	6M11	G	6.3	0	45	2	P6, P5, P3	Short normal Pos. 1
6JC8	G	6.3	15	78	17	P2	6M11	B	6.3	15	78	31	P2	

HICKOK MODEL 79⁹ TUBE CHART

Tube Type	Color	Htr	Bias	Shunt	Socket	Press	Notations	Tube Type	Color	Htr	Bias	Shunt	Socket	Press	Notations
6M-HH3	G	6.3	18	78	21	P2	D. T.	8A8	R	10	16	78	28	P6, P2	
6N6	B	6.3	19	35	28	P2		8A8	B	10	28	52	28	P2	
6N8	R	6.3	0	45	26	P5, P3		8AR11	G	7.5	23	89	32	P1	D. T.
6P5	R	6.3	35	78	23	P1		8AU8	G	7.5	24	78	19	P2	
6Q4	B	6.3	10	85	34	P6, P2		8AU8	G	7.5	18	45	19	P6, P2	
6Q11	B	6.3	0	48	31	P6, P2		8AU8A	G	7.5	24	75	19	P2	
6Q11	B	6.3	0	0	14	P1	Short normal Pos. 1	8AU8A	G	7.5	18	45	19	P6, P2	
6Q11	B	6.3	0	45	24	P5, P3		8AW8A	G	7.5	22	87	19	P2	
6R-HH8	B	6.3	21	88	27	P2	D. T.	8AW8A	G	7.5	14	45	19	P6, P2	Short normal Pos. 2
6R-K19	G	6.3	0	63	17	P3	Cap = K	8B6	B	7.5	0	63	28	P3	
6R3	G	6.3	0	63	17	P3	Cap = K	8B8	B	7.5	0	63	19	P6, P3	
6R4	G	6.3	35	88	28	P1		8B10	G	7.5	23	0	14	P2	
6R8	B	6.3	27	85	17	P6, P1		8B10	B	7.5	23	49	14	P5, P3	D. T.
6R8	B	6.3	27	49	17	P5, P3	D. T.	8BA8	G	7.5	26	83	19	P2	D. T.
6R8	R	6.3	27	49	17	P6, P5, P3		8BA8	G	7.5	35	87	19	P6, P1	
6S2	R	6.3	0	37	6	P6, P3	Cap = P	8BA11	R	7.5	32	79	33	P1	
6S4A	R	6.3	15	66	5	P2		8BA11	R	7.5	35	81	33	P6, P1	
6S7	R	6.3	40	80	23	P1	Cap = G	8BH8	G	7.5	24	78	19	P2	
6SA7	B	6.3	37	10	12	P2	350 Min	8BH8	G	7.5	35	88	19	P6, P1	
6SB7	B	6.3	42	30	12	P2		8BN8	R	7.5	15	0	36	P2	
6SB7	G	6.3	10	0	30	P1	D. T. 350 Min	8BN8	R	7.5	15	55	36	P6, P5, P3	
6SF5	B	6.3	10	0	1	P2	*	8BN8	B	7.5	15	55	36	P5, P3	
6SG7	G	6.3	0	60	12	P3	Short normal Pos. 2	8BQ5	G	7.5	20	88	26	P2	
6SH7	G	6.3	0	60	12	P3	Short normal Pos. 2	8BQ11	G	7.5	15	82	32	P2	
6SJ7	G	6.3	0	45	23	P5, P3		8BQ11	G	7.5	15	82	32	P2	
6SK7	G	6.3	0	45	23	P5, P3		8CG7	R	7.5	25	89	27	P6, P2	
6SL7	R	6.3	10	0	30	P1	D. T.	8CM7	R	7.5	30	85	16	P1	D. T.
6SN7	R	6.3	31	87	30	P1	D. T.	8CM7	R	7.5	20	70	16	P6, P2	
6SQ7	R	6.3	0	45	30	P6, P5, P3		8CN7	B	7.5	0	45	5	P5, P3	*
6SQ7	G	6.3	0	45	1	P5, P3		8CN7	R	7.5	0	45	27	P6, P5, P3	*
6SR7	R	6.3	0	45	30	P6, P5, P3		8CN7	R	7.5	0	0	19	P1	
6SR7	G	6.3	0	45	1	P5, P3		8CS7	R	7.5	27	86	18	P1	
6SR7	G	6.3	0	45	1	P5, P3		8CS7	R	7.5	33	44	18	P6, P2	
6SS7	G	6.3	0	44	23	P5, P3		8CW5	G	7.5	30	84	26	P2	
6ST7	R	6.3	0	45	30	P6, P5, P3		8CW5	G	7.5	30	80	19	P2	
6ST7	G	6.3	0	45	1	P5, P3		8CX8	G	7.5	15	45	19	P6, P2	
6ST7	R	6.3	10	0	30	P1	D. T. 350 Min	8CX8	G	7.5	15	45	19	P6, P2	
6SU7	R	6.3	10	0	30	P1		8CY7	R	7.5	19	5	18	P1	
6SU7	R	6.3	0	45	30	P6, P5, P3		8CY7	R	7.5	61	44	18	P6, P2	
6SZ7	G	6.3	0	45	1	P5, P3		8D3	B	6.3	10	82	9	P2	
6SZ7	G	6.3	0	45	1	P5, P3		8DX8	G	7.5	15	40	27	P6, P2	
6T4	G	6.3	41	40	9	P2		8DX8	B	6.3	10	82	9	P2	
6T9A	G	6.3	10	0	17	P6, P1	350 Min	8DX8	G	7.5	15	40	27	P6, P2	
6T9A	B	6.3	10	49	17	P5, P3	D. T.	8DX8	G	7.5	15	88	17	P2	
6T9A	R	6.3	10	49	17	P6, P5, P3	Short normal Pos. 1	8EB8	G	7.5	20	90	19	P2	
6T9	R	6.3	15	85	32	P2		8EB8	G	7.5	10	37	19	P6, P2	
6T9	R	6.3	24	10	33	P1		8EM5	R	7.5	33	72	5	P2	

6T10	R	6.3	19	82	32	P2	8ET7	G	7.5	20	90	19	P2	D. T.
6T10	R	6.3	32	69	32	P6, P1	8ET7	G	7.5	20	40	19	P6, P5, P3	
6U4	B	6.3	0	60	34	P6, P3	8ET7	R	7.5	20	40	19	P6, P5, P3	
6U6	G	6.3	0	63	1	P3	8FQ7	R	7.5	25	90	27	P1	
6U7	R	6.3	52	50	23	P2	8GN8	R	7.5	15	90	26	P2	
6U8	R	6.3	20	73	23	P1	8GN8	G	7.5	10	90	19	P2	
6U8	R	6.3	20	57	28	P6, P2	8GN8	G	7.5	10	15	19	P6, P1	
6U8	B	6.3	14	78	28	P2	8HA6	R	7.5	23	90	26	P2	
6U9	R	6.3	23	81	7	P2	8HG8	R	7.5	0	45	16	P5, P3	
6U9	R	6.3	28	47	31	P6, P2	8HG8	G	7.5	16	89	19	P2	
6U10	B	6.3	17	10	31	P6, P2	8JE8	G	7.5	20	88	19	P2	
6U10	R	6.3	40	10	14	P1	8JE8	G	7.5	15	45	19	P6, P2	
6U10	B	6.3	0	45	24	P5, P3	8JK8	R	7.5	29	87	27	P1	
6U10	G	6.3	0	40	26	P5, P3	8JK8	R	7.5	18	84	27	P2	
6V4	R	6.3	0	63	27	P6, P3	8JL8	G	7.5	26	86	19	P2	
6V4	G	6.3	0	63	27	P3	8JL8	G	7.5	19	44	19	P6, P2	
6V6	R	6.3	16	54	23	P2	8JT8	G	7.5	27	89	19	P2	
6W4	G	6.3	0	63	1	P3	8JT8	G	7.5	20	53	19	P6, P1	
6W5	R	6.3	0	63	12	P3	8JV8	G	7.5	17	87	19	P2	
6W5	R	6.3	0	63	23	P3	8JV8	G	7.5	15	40	19	P6, P2	
6W6	R	6.3	46	72	23	P2	8KA8	B	7.5	15	44	28	P2	
6W7	R	6.3	35	45	23	P1	8KA8	B	7.5	30	83	19	P2	
6X4	R	6.3	0	63	10	P3	8KS8	G	7.5	15	40	19	P6, P2	
6X5	R	6.3	0	63	12	P3	8KS8	B	7.5	14	50	28	P2	
6X5	R	6.3	0	63	23	P3	8LC8	G	7.5	25	45	28	P2	
6X8	G	6.3	16	67	19	P2	8SN7	R	7.5	31	87	30	P1	
6X8	G	6.3	16	69	19	P6, P2	8U9	R	7.5	23	81	7	P2	
6X9	R	6.3	20	90	7	P2	8U9	R	7.5	28	47	7	P6, P2	
6X9	R	6.3	10	47	7	P6, P2	8X9	R	7.5	20	90	7	P2	
6Y9	G	6.3	55	50	23	P2	8X9	R	7.5	10	47	7	P6, P2	
6Y9	G	6.3	21	81	7	P2	9A8	B	10	28	28	28	P2	
6Z10	R	6.3	30	57	14	P2	9A8	B	10	16	78	28	P6, P2	
6Z10	R	6.3	0	10	14	P6, P5, P3	9AB4	G	10	16	45	20	P2	
6ZY5	R	6.3	0	63	12	P3	9AK8	G	10	20	5	17	P6, P1	
6ZY5	R	6.3	0	63	23	P3	9AK8	B	10	20	49	17	P5, P3	
7AN7	R	7.5	28	62	6	P2	9AK8	B	10	20	49	17	P6, P6, P3	
7AN7	R	7.5	21	89	4	P5, P3	9AO8	R	10	10	78	27	P2	
7AN7	B	7.5	21	89	27	P1	9AU7	R	10	21	89	27	P1	
7D9	R	7.5	21	89	11	P2	9BR7	G	10	16	45	37	P6, P2	
7D18	B	7.5	34	86	27	P2	9BR7	G	10	16	45	37	P5, P3	
7ES8	R	7.5	25	80	27	P2	9BR7	B	10	16	45	37	P5, P3	
7EY6	R	7.5	24	67	23	P2	9BR8	G	10	20	57	27	P6, P2	
7G57	R	7.5	15	85	27	P2	9BR8	G	10	14	78	27	P2	
7G57	G	7.5	35	42	27	P6, P2	9CG8A	G	10	16	77	27	P2	
7HG8	R	7.5	0	45	16	P5, P3	9CG8A	G	10	19	66	27	P6, P2	
7HG8	G	7.5	0	45	16	P2	9CL8	G	10	18	75	27	P2	
7HG8	G	7.5	16	89	19	P2	9CL8	G	10	18	80	27	P6, P2	

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Tube Type	Color	Htr	Bias	Shunt	Socket	Press	Notations	Tube Type	Color	Htr	Bias	Shunt	Socket	Press	Notations
9D6	B	6.3	10	10	9	P2		12AE10	R	12.6	51	39	32	P2	
9DZ8	B	10	0	60	28	P3		12AE10	R	12.6	35	33	32	P6, P1	
9DZ8	B	10	0	60	19	P6, P3		12AF3	G	12.6	0	63	17	P3	Cap = K
9EA8	R	10	20	68	28	P6, P2		12AF6	G	12.6	0	47	20	P5, P3	
9EA8	B	10	13	83	28	P2		12AG6	R	12.6	0	45	10	P5, P3	
9GV8	G	10	47	78	27	P2		12AJ6	R	12.6	0	48	10	P5, P3	
9GV8	R	10	17	70	27	P6, P2		12AJ6	B	12.6	0	40	10	P5, P3	D. T.
9KZ8	G	10	17	82	36	P6, P2		12AL5	R	12.6	0	49	21	P5, P3	D. T.
9KZ8	G	10	14	84	36	P2		12AL8	R	12.6	0	45	6	P5, P3	D. T.
9U8	R	10	20	57	28	P6, P2		12AL8	B	12.6	0	45	5	P5, P3	
9U8	B	10	14	78	28	P2		12AL11	R	12.6	19	63	32	P2	
9X8	G	10	16	67	19	P2		12AL11	R	12.6	32	69	32	P6, P1	
9X8	G	10	16	69	19	P6, P2		12AQ5	G	12.6	30	44	11	P1	
10AL11	R	10	19	83	32	P2		12AS5	R	12.6	48	46	20	P2	
10AL11	R	10	32	69	32	P6, P1		12AT6	G	12.6	18	0	10	P1	
10BQ5	G	10	20	88	26	P2		12AT6	B	12.6	18	40	10	P5, P3	D. T.
10C8	R	10	19	77	17	P2		12AT7	R	12.6	16	45	27	P2	* D. T.
10C8	B	10	15	60	18	P6, P2		12AU6	R	12.6	21	42	11	P2	* D. T.
10CW5	G	10	28	81	26	P2		12AU6	R	12.6	21	89	27	P1	
10DA7	R	10	31	87	18	P1		12AU7A	G	12.6	24	78	19	P2	
10DA7	R	10	58	52	18	P6, P2		12AU8	G	12.6	18	45	19	P6, P2	
10DE7	R	10	33	85	18	P1		12AV5	B	12.6	67	88	12	P1	
10DE7	R	10	59	66	18	P6, P2		12AV6	G	12.6	10	0	10	P1	
10DR7	R	10	20	20	18	P1		12AV6	B	12.6	10	40	10	P5, P3	D. T.
10DR7	R	10	59	66	18	P6, P2		12AV7	R	12.6	12	82	27	P2	* D. T.
10DX8	G	10	15	40	27	P6, P2		12AW6	R	12.6	20	43	11	P2	* D. T.
10DX8	G	10	15	88	17	P2		12AX3	R	12.6	0	63	31	P3	
10EB8	G	10	20	90	19	P2		12AX4	G	12.6	0	63	1	P3	
10EB8	G	10	10	47	19	P6, P1		12AX7A	R	12.6	10	0	27	P1	* D. T.
10EG7	R	10	35	82	30	P1		12AY3	R	12.6	0	63	3	P3	
10EG7	R	10	59	60	30	P6, P2		12AY7	R	12.6	14	77	27	P1	
10EM7	R	10	20	20	30	P1		12AZ7	R	12.6	16	45	27	P2	
10EM7	R	10	60	70	30	P6, P2		12B4	G	12.6	57	58	19	P2	
10EW7	R	10	35	82	18	P1		12BA6	R	12.6	25	43	11	P2	
10EW7	R	10	59	60	18	P6, P2		12BA7	G	12.6	0	60	27	P6, P3	
10FD7	R	10	20	20	18	P1		12BD6	R	12.6	36	86	11	P1	
10FD7	R	10	59	60	18	P6, P2		12BE3	R	12.6	0	63	11	P3	
10FR7	R	10	20	20	18	P1		12BE6	R	12.6	21	78	11	P2	
10FR7	R	10	60	70	18	P6, P2		12BF6	G	12.6	23	86	10	P1	
10GF7	R	10	22	0	15	P1		12BF6	B	12.6	23	40	10	P5, P3	D. T.
10GF7	R	10	61	72	15	P6, P2		12BF11	R	12.6	42	73	32	P2	
10GF7	R	10	15	90	26	P2		12BF11	R	12.6	32	78	32	P6, P1	
10GK6	G	10	20	90	19	P2		12BH7A	R	12.6	29	40	27	P2	* D. T.
10GN8	G	10	20	90	19	P6, P1		12BK5	R	12.6	0	63	19	P6, P3	Make Leakage Test Only
10GN8	G	10	10	15	19	P6, P1		12BK5	R	12.6	0	63	19	P6, P3	Short Normal Pos. 1

10HA6	R	10	23	90	26	P2	12BK6	G	12.6	10	0	10	P1	D. T.
10HF8	G	10	22	89	19	P6,P2	12BK6	B	12.6	10	50	10	P5,P3	
10HF8	G	10	15	40	19	P6,P2	12BL6	G	12.6	0	46	20	P5,P3	
10I10	R	10	19	82	14	P2	12BN6	R	12.6	0	20	38	P5,P3	
10I10	R	10	31	0	14	P6,P1	12BQ6GTA	R	12.6	60	50	23	P2	Cap = P
10JA8	G	10	20	88	19	P2	12BQ6GTB	R	12.6	60	60	23	P2	Cap = P
10JA8	G	10	15	40	19	P6,P2	12BR3	G	12.6	0	63	17	P3	Cap = K
10JT8	G	10	27	89	19	P2	12BR7	G	12.6	16	45	37	P6,P2	*
10JT8	G	10	20	20	19	P6,P1	12BR7	G	12.6	16	45	37	P5,P3	*
10Y8	G	10	22	87	19	P2	12BR7	B	12.6	16	45	37	P5,P3	*
10Y8	G	10	14	86	19	P6,P2	12BS3	R	12.6	0	63	3	P3	
10Y8	G	10	27	89	19	P2	12BT3	R	12.6	0	63	31	P3	
10KR8	G	10	14	86	19	P6,P2	12BT6	G	12.6	18	0	10	P1	D. T.
10KR8	G	10	14	86	19	P6,P2	12BT6	B	12.6	18	50	10	P5,P3	
10KU8	G	10	27	89	19	P2	12BU6	G	12.6	23	86	10	P1	D. T.
10KU8	G	10	27	40	19	P6,P5,P3	12BU6	B	12.6	23	50	10	P5,P3	
10KU8	R	10	27	40	19	P6,P5,P3	12BU6	B	12.6	19	89	26	P2	
10LB8	G	10	16	49	19	P2	12BV7	R	12.6	0	45	16	P6,P5,P3	
10LB8	G	10	24	90	19	P6,P2	12BW4	R	12.6	0	45	26	P5,P3	
10LW8	G	10	15	48	19	P6,P2	12BX6	R	12.6	17	85	26	P2	
10LW8	G	10	15	48	19	P6,P2	12BX6	R	12.6	18	89	26	P2	
11AR11	G	10	28	87	32	P1	12BV7A	R	12.6	15	85	11	P2	
11BQ11	G	10	15	82	32	P2	12BZ6	R	12.6	17	60	27	P1	* D. T.
11BQ11	G	10	17	83	32	P6,P2	12BZ7	R	12.6	47	62	20	P2	
11C3	G	12.6	44	70	20	P2	12C5	R	12.6	35	83	20	P2	
11C3	R	10	19	5	18	P1	12CA5	R	12.6	0	63	3	P3	
11CY7	R	10	61	44	18	P6,P2	12CK3	R	12.6	0	45	20	Make	Leakage test only
11CY7	R	10	20	20	2	P1	12CN5	R	12.6	0	45	9	P5,P3	Short normal Pos. 1
11FY7	R	10	57	35	2	P6,P2	12CN5	G	12.6	0	45	9	P5,P3	
11FY7	R	10	20	88	19	P2	12CN5	R	12.6	0	45	21	P5,P3	
11JE8	G	10	15	45	19	P6,P2	12CR6	R	12.6	0	45	20	P5,P3	Jumper K to G
11JE8	G	10	15	45	19	P2	12CR6	B	12.6	0	45	20	P5,P3	Short normal Pos. 2
11KV8	G	10	22	86	19	P2	12CS5	R	12.6	48	71	5	P2	
11KV8	G	10	15	40	19	P6,P2	12CS6	R	12.6	43	67	11	P1	
11LQ8	G	10	22	90	19	P2	12CT8	G	12.6	31	51	17	P2	
11LQ8	G	10	14	86	19	P6,P2	12CT8	B	12.6	21	59	17	P6,P2	*
11Y9	G	10	21	81	7	P2	12CT8	R	12.6	44	73	20	P2	
11Y9	G	10	24	90	7	P6,P2	12CU5	R	12.6	60	60	23	P2	Cap = P
12A4	G	12.6	30	82	19	P2	12CU6	G	12.6	0	46	20	P5,P3	
12A6	R	12.6	30	89	23	P1	12CX6	G	12.6	0	46	20	P5,P3	
12A6	R	12.6	54	69	23	P1	12CY6	G	12.6	0	47	20	P3	
12AB5	R	12.6	20	55	5	P2	12D4	G	12.6	0	63	1	P3	
12AC6	G	12.6	0	47	20	P5,P3	12DB5	R	12.6	48	71	5	P2	P6,P5,P3
12AD6	G	12.6	0	45	20	P5,P3	12DE8	B	12.6	0	45	19	P6,P5,P3	
12AD7	R	12.6	10	0	27	P1	12DE8	G	12.6	0	63	27	P3	* D. T.
12AE6	R	12.6	0	47	10	P5,P3	12DF5	R	12.6	10	0	27	P1	* D. T.
12AE6	B	12.6	0	40	10	P5,P3	12DF7	R	12.6	24	86	27	P2	D. T.
12AE7	G	12.6	0	45	27	P5,P3	12D8	R	12.6	24	86	27	P2	
12AE7	G	12.6	0	45	27	P6,P5,P3	12DK6	R	12.6	18	86	11	P2	

HICKOK MODEL 7s. USE CHART

Tube Type	Color	Htr	Bias	Shunt	Socket	Press	Notations	Tube Type	Color	Htr	Bias	Shunt	Socket	Press	Notations
12DK7	G	12.6	0	38	17	P6,P5,P3		12J5	R	12.6	24	90	23	P1	
12DK7	B	12.6	0	45	36	P6,P5,P3		12J7	R	12.6	35	45	23	P1	Cap = G
12DK7	R	12.6	0	45	28	P5, P3	Jumper K to G	12J8	R	12.6	0	45	34	P5, P3	D. T. Short normal Pos. 2
12DL8	G	12.6	0	40	37	P6,P5,P3	Short normal Pos. 2	12J8	B	12.6	0	45	36	P5, P3	Cap = P
12DL8	B	12.6	0	43	27	P5, P3		12JB6	G	12.6	58	48	3	P2	
12DL8	B	12.6	0	45	19	P6,P5,P3		12JN8	G	12.6	19	81	27	P2	
12DM4	G	12.6	0	63	1	P3		12JN8	G	12.6	16	82	27	P6, P2	
12DM5	R	12.6	47	62	20	P2		12JT6	B	12.6	58	75	3	P2	
12DM7	R	12.6	10	0	27	P1	* D. T.	12K5	B	12.6	0	45	10	P5, P3	
12DQ4	G	12.6	0	63	1	P3		12K7	R	12.6	34	85	23	P1	Cap = G
12DQ6	R	12.6	59	60	23	P2	Cap = P	12K8	R	12.6	0	60	12	P6, P3	Cap = G
12DQ6A	R	12.6	59	67	23	P2	Cap = P	12KL8	G	12.6	31	55	36	P6, P1	
12DQ6B	R	12.6	59	73	23	P2	Cap = P	12KL8	G	12.6	0	40	26	P5, P3	
12DQ7	R	12.6	27	86	26	P2		12L6	R	12.6	46	72	23	P2	
12DS7	G	12.6	0	45	27	P5, P3		12R5	R	12.6	47	67	20	P2	
12DS7	B	12.6	0	45	27	P5, P3		12R-K19	G	12.6	0	63	17	P3	Cap = K
12DS7	G	12.6	0	45	37	P6,P5,P3		12SA7	B	12.6	37	10	12	P2	350 Min
12DT5	R	12.6	36	74	5	P2		12SC7	G	12.6	10	0	30	P1	D. T. 350 Min
12DT6	R	12.6	33	40	11	P1		12SF5	B	12.6	10	0	1	F2	*
12DT7	R	12.6	10	0	27	P1	* D. T.	12SG7	G	12.6	0	60	12	P3	Short normal Pos. 2
12DT8	R	12.6	10	79	27	P2	D. T.	12SH7	G	12.6	0	60	12	P3	Short normal Pos. 2
12DU7	B	12.6	0	45	19	P6,P5,P3		12SH7	G	12.6	0	45	23	P5, P3	
12DU7	G	12.6	0	35	17	P6,P5,P3		12SK7	G	12.6	0	45	23	P5, P3	
12DU7	G	12.6	0	40	6	P5, P3		12SL7	R	12.6	10	0	30	P1	D. T.
12DV7	G	12.6	0	45	36	P5, P3	Short normal Pos.1 & 3	12SN7	R	12.6	31	87	30	P1	D. T.
12DV7	R	12.6	0	30	19	P5, P3	Short normal Pos.1 & 3	12SQ7	G	12.6	0	45	30	P6, P5, P3	
12DV7	G	12.6	0	30	19	P6, P5, P3	Short normal Pos. 2	12SQ7	R	12.6	0	45	1	P5, P3	
12DV8	G	12.6	0	45	37	P6,P5,P3		12SR7	R	12.6	0	45	30	P6,P5,P3	
12DV8	B	12.6	0	43	27	P5, P3		12SR7	G	12.6	0	45	1	P5, P3	
12DV8	B	12.6	0	45	19	P6,P5,P3		12SW7	R	12.6	0	45	30	P6,P5,P3	
12DW5	R	12.6	65	45	5	P2		12SW7	G	12.6	0	45	1	P5, P3	
12DW7	R	12.6	10	0	27	P1	*	12SX7	R	12.6	31	87	30	P1	D. T.
12DW7	R	12.6	21	89	27	P6, P1		12SY7	B	12.6	37	10	12	P2	350 Min
12DW8	B	12.6	0	45	27	P5, P3		12T10	R	12.6	19	78	32	P2	
12DW8	G	12.6	0	45	27	P5, P3		12T10	R	12.6	32	69	32	P2	
12DW8	G	12.6	0	45	27	P6,P5,P3		12U7	G	12.6	0	45	27	P5, P3	*
12DY8	G	12.6	0	45	28	P5, P3		12U7	G	12.6	0	45	27	P6,P5,P3	
12DY8	B	12.6	0	45	36	P6,P5,P3		12V6	R	12.6	16	54	23	P2	
12DY8	G	12.6	0	46	20	P5, P3		12W6	R	12.6	46	72	23	P2	
12DZ6	B	12.6	0	60	28	P3	Short normal Pos. 2	12X4	R	12.6	0	63	10	P3	D. T.
12DZ8	B	12.6	0	60	19	P6, P3		13CW4	R	12.6	17	84	39	P2	
12EA6	G	12.6	0	47	20	P5, P3		13DE7	R	12.6	33	85	18	P1	
12ED5	R	12.6	35	83	20	P2		13DE7	R	12.6	59	66	18	P6, P2	

17GT5	G	17	58	75	3	P2	Cap = P	22JG6	B	20	90	86	3	P2	Cap = P
17GV5	G	17	65	59	24	P2	Cap = P	22JU6	G	20	70	44	3	P2	
17GW6	G	17	59	73	23	P3	Cap = P	25A6	R	25	72	83	23	P1	
17H3	G	17	0	63	5	P3	Short normal Pos. 2	25AC5	R	25	0	0	23	P1	
17HC8	B	17	0	60	28	P3		25AV5	R	25	67	88	12	P1	
17HC8	B	17	0	60	19	P6, P3	Cap = P	25AX4	G	25	0	63	1	P3	
17JB6	G	17	58	75	3	P2		25B6G	R	25	74	90	23	P1	
17JG6	G	17	90	86	3	P1		25BK5	R	25	0	63	19	Make	Leakage Test Only
17JK8	B	17	25	87	27	P1	D. T.	25BK5	R	25	0	63	19	P6, P3	Short normal Pos. 1
17JT6	B	17	58	75	3	P2		25BQ6GT	R	25	60	50	23	P2	Cap = P
17JZ8	G	17	52	46	2	P6, P2		25BQ6GTB	R	25	60	60	23	P3	Cap = P
17JZ8	G	17	32	81	2	P1		25BR3	G	25	0	63	17	P3	Cap = K
17L6	R	17	46	72	23	P2		25C5	R	25	47	62	20	E2	
17LD8	R	17	32	81	15	P1		25C6	R	25	55	50	23	P2	
17LD8	R	17	48	65	15	P6, P2		25CA5	R	25	35	83	20	P2	
17R5	G	17	47	67	20	P2		25CD6	G	25	76	44	12	P2	
17R-K19	G	17	0	63	17	P3	Cap = K	25CU6	R	25	60	60	23	P2	
17W6	R	17	46	72	23	P2		25D4	G	25	0	63	1	P3	
17X10	R	17	42	73	14	P2		25DK4	R	25	0	63	8	P3	
17X10	R	17	31	0	14	P6, P1	300 Min	25DN6	G	25	65	68	12	E2	
17Z3	G	17	0	63	17	P3	Cap = K	25DQ6	R	25	59	60	23	P2	
18A5	B	17	75	81	12	P1		25DQ6A	R	25	59	67	23	P2	
18DZ8	B	17	0	60	28	P3	Short normal Pos. 2	25DT5	R	25	36	74	5	P2	
18DZ8	B	17	0	60	19	P6, P3		25E6G	R	25	49	59	23	P2	
18FW6	B	17	32	89	11	P1		25EC6	G	25	70	40	12	P2	
18FX6	G	17	13	68	11	P2		25EH5	R	25	30	89	20	P2	
18FY6	G	17	12	0	10	P1	350 Min	25F5	R	25	47	55	20	E2	
18FY6	B	17	12	40	10	P5, P3	D. T.	25FY8	B	25	0	58	28	P3	Short normal Pos. 2
18GB5	R	20	0	63	36	P6, P3	Cap = P	25FY8	B	25	0	60	19	P5, P3	
							Use SA-8 Adapter	25L6	R	25	43	77	23	P2	
18GD6	R	17	21	42	11	P2		25R-K19	G	25	0	63	17	P3	
18GV8	G	20	47	78	27	P2		25W4	G	25	0	63	1	P3	
18GV8	R	20	17	70	27	P6, P2		25W6	R	25	46	72	23	P2	
18HB8	B	17	0	60	28	P3		25Z4	R	25	0	63	12	P3	
18HB8	R	17	0	47	27	P3		26A6	R	25	37	83	11	P1	
18J6	G	17	17	62	21	P2	D. T.	26A6	R	25	10	77	27	P2	
19AQ5	G	20	30	44	11	P2		26B6	G	25	10	0	10	P1	
19AU4	G	20	0	63	1	P3		26BK6	G	25	10	50	10	P1	
19BG6	G	20	23	72	12	P2	Cap = P	26BK6	B	25	23	86	10	P5, P3	
19BX6	R	20	17	85	26	P2		26C6	B	25	23	40	10	P2	
19BY7	R	20	30	51	26	P2		26D6	G	25	21	73	11	P2	
19C8	G	20	5	5	17	P6, P1	300 Min	27GB5	R	25	0	63	36	P6, P3	Cap = P
19C8	B	20	5	49	17	P5, P3	D. T.								Use SA-8 Adapter
19C8	B	20	5	49	17	P6, P5, P3	Short normal Pos. 1	28AK3	G	25	20	5	17	P6, P1	
19CL8	G	20	18	75	27	P2		28AK3	B	25	20	40	17	P5, P3	
19CL8	G	20	18	80	27	P6, P2		28AK3	B	25	20	49	17	P6, P5, P3	
19DE7	R	20	33	85	18	P1		28AK3	R	25	20	49	17	P6, P5, P3	Short normal Pos. 1
19DE7	R	20	59	66	18	P6, P2		28GB5	R	25	0	63	36	P6, P3	Cap = P
															Use SA-8 Adapter

HICKOK MODEL 799 TUBE CHART

Tube Type	Color	Htr	Bias	Shunt	Socket	Press	Notations	Tube Type	Color	Htr	Bias	Shunt	Socket	Press	Notations	
28HA6	R	25	23	90	36	P2		5751	R	12.6	10	0	27	P1	* D.T.	
28HD5	G	25	67	80	23	P2		5814	R	12.6	21	89	27	P1	* D.T.	
29GK6	R	25	15	87	36	P2		5824	R	25	74	90	23	P1		
30A5	R	25	30	84	20	P2	Cap = K	5838	R	12.6	0	63	12	P3		
30AE3	G	25	0	63	19	P3	Short normal Pos. 2	5839	R	25	0	63	12	P3		
30AG11	R	35	16	80	32	P2		5839	R	25	0	63	23	P3		
30AG11	G	35	16	80	24	P2	Short normal Pos. 1	5844	G	6.3	33	85	21	P1	D.T.	
30AG11	B	35	0	45	31	P6,P5,P3	Short normal Pos. 2	5852	R	6.3	0	63	12	P3		
30AG11	G	35	0	45	14	P5, P3	Jumper P to G	5852	R	6.3	0	63	23	P3		
30HJ5	G	25	0	63	24	P3	Short normal Pos. 1	5879	G	6.3	37	33	6	P1		
33ET5	R	35	47	47	20	P2	Short normal Pos. 2	5915	R	6.3	25	69	23	P2		
33GT7	B	35	0	55	31	P6, P3		5915	R	6.3	43	85	11	P1		
33GT7	G	35	0	63	31	P6, P3		5920	G	6.3	26	68	21	P2	D.T.	
33GY7	G	35	71	46	33	P6, P2	Short normal Pos. 2	5931	R	5	0	63	1	P3	D.T.	
34CD3	R	35	0	63	31	P3	*	5932	R	6.3	25	69	23	P2		
34CE3	R	35	0	63	31	P3		5963	R	12.6	35	77	27	P1	* D.T.	
34GD5	R	35	47	48	20	P2	Cap = K	5964	G	6.3	17	70	21	P2	D.T.	
34R3	G	35	0	63	17	P3		5965	R	12.6	19	72	27	P2	* D.T.	
35B5	G	35	44	70	11	P2		5982	R	6.3	16	54	23	P2	D.T.	
35C5	R	35	44	70	20	P2	Cap = P	5988	R	6.3	57	80	30	P2	Sect. 1 Front Cap = P	
35CD6	G	35	76	44	12	P2	Short normal Pos. 2	6004	R	5	0	63	1	P3	Sect. 2 Rear Cap = P	
35DZ8	B	35	0	60	28	P3		6005	G	6.3	30	44	11	P2		
35E8	R	35	0	60	19	P6, P3		6028	G	20	27	15	11	P2	D.T.	
35GL6	R	35	30	89	20	P2	*	6045	G	6.3	17	72	21	P2		
35HB8	B	35	0	60	28	P3		6046	R	25	43	77	23	P2		
35H8	R	35	0	47	27	P3		6057	R	12.6	10	0	27	P1	* D.T.	
35L6	R	35	48	45	23	P2		6058	R	6.3	0	49	21	P5, P3	D.T.	
35W4	R	35	0	63	8	P3		6059	R	6.3	32	80	26	P1	* D.T.	
35Z4	R	35	0	63	12	P3		6060	R	12.6	16	45	27	P2	* D.T.	
35Z5	R	35	0	63	12	P6, P3		6064	B	6.3	10	82	9	P2		
36AM3	R	35	0	63	8	P3		6065	G	6.3	18	10	10	P2		
40FR5	R	35	47	46	20	P2		6066	B	6.3	18	40	10	P5, P3	D.T.	
45Z5	R	50	0	63	12	P3		6067	R	12.6	21	89	27	P1	* D.T.	
50B5	G	50	47	62	11	P2	Leakage Test Only	6072	R	12.6	14	77	27	P1	* D.T.	
50BK5	R	50	0	63	19	Make	Short normal Pos. 1	6080	R	6.3	95	91	30	P1	D.T.	
50BK5	R	50	0	63	28	P3	Short normal Pos. 2	6082	R	25	95	91	30	P1	* D.T.	
50BM8	B	50	0	63	19	P6, P3		6085	R	12.6	16	0	27	P2	* D.T.	
50C5	R	50	47	62	20	P2		6087	R	12.6	5	30	63	1	P3	D.T.
								6095	G	6.3	30	44	11	P2		

50C6	R	50	55	50	23	P2	6096	R	6.3	27	75	11	P2	D. T.
50CA5	R	50	35	83	20	P2	6097	R	6.3	0	49	21	P5, P3	D. T.
50DC4	R	50	0	63	8	P3	6099	G	6.3	17	62	21	P2	D. T.
50EH5	R	50	30	89	20	P2	6100	G	6.3	17	0	20	P2	D. T.
50FA5	R	50	44	70	20	P2	6101	G	6.3	17	62	21	P2	D. T.
50FE5	R	50	54	60	23	P2	6106	R	6.3	0	63	1	P3	D. T.
50FK5	R	50	32	87	20	P2	6113	R	6.3	10	0	30	P1	D. T.
50FY8	B	50	0	58	28	P3	6134	G	6.3	0	43	23	P5, P3	
50FY8	B	50	0	60	19	P3	6135	G	6.3	17	0	20	P2	
50HC6	R	50	35	81	38	P2	6136	R	6.3	21	42	11	P5, P3	
50HK6	R	50	53	61	38	P2	6137	G	6.3	0	45	23	P5, P3	
50HN5	G	50	39	81	26	P2	6186	R	6.3	20	53	11	P2	
50L6	R	50	46	72	23	P2	6187	R	6.3	28	58	11	P2	
60FX5	R	50	32	87	20	P2	6188	R	6.3	10	0	30	P1	D. T.
60HL5	G	50	34	81	26	P2	6189	R	12.6	21	89	27	P1	* D. T.
117Z4	R	117	0	63	10	P3	6197	G	6.3	24	88	5	P2	* D. T.
1216	G	6.3	33	85	21	P1	6201	R	12.6	16	45	27	P2	D. T.
1217	G	6.3	43	85	11	P1	6202	R	6.3	0	63	10	P3	D. T.
1218	R	6.3	12	88	9	P2	6203	R	6.3	0	67	28	P3	
1274	R	6.3	0	63	12	P3	6203	G	6.3	0	67	28	P3	
1612	R	6.3	39	82	23	P1	6211	B	12.6	27	42	27	P2	* D. T.
1612	R	6.3	25	87	23	P1	6216	G	6.3	28	86	36	P2	
1613	R	6.3	25	87	23	P1	6227	R	6.3	16	85	26	P2	
1614	R	6.3	25	69	23	P2	6265	R	6.3	19	0	11	P2	
1620	R	6.3	35	48	23	P1	6350	B	12.6	0	45	19	P6, P5, P3	
1621	R	6.3	25	87	23	P1	6350	G	12.6	0	45	28	P5, P3	
1622	R	6.3	25	69	23	P2	6374	G	6.3	0	60	28	P6, P3	Cap = P
1626	R	12.6	46	88	23	P1	6414	R	12.6	14	77	27	P2	* D. T.
1631	R	12.6	25	69	23	P2	6463	B	12.6	0	45	19	P6, P5, P3	
1632	R	12.6	43	77	23	P2	6463	G	12.6	0	45	28	P5, P3	
1633	R	25	27	89	30	P1	6485	R	6.3	20	83	11	P2	
1634	G	12.6	10	0	30	P1	6516	B	6.3	31	40	11	P2	D. T.
1654	R	1.4	0	44	22	P6, P5, P3	6520	R	6.3	95	91	30	P1	
1852	G	6.3	0	44	23	P5, P3	6550	R	6.3	36	79	23	P2	
1853	G	6.3	0	44	23	P5, P3	6660	R	6.3	25	43	11	P2	
5590	R	6.3	48	67	11	P1	6661	R	6.3	19	0	11	P2	
5591	R	6.3	27	15	11	P2	6662	R	6.3	32	83	11	P1	
5810	G	6.3	32	33	20	P2	6663	R	6.3	0	49	21	P5, P3	D. T.
5854	R	6.3	27	15	11	P2	6664	G	6.3	16	45	20	P2	
5859	R	12.6	30	89	23	P1	6669	G	6.3	30	44	11	P2	
5661	G	12.6	0	45	23	P5, P3	6676	R	6.3	15	83	11	P2	
5691	R	6.3	10	0	30	P1	6677	G	6.3	24	88	5	P2	
5692	R	6.3	30	85	30	P1	6678	R	6.3	20	57	28	P6, P2	
5693	G	6.3	0	45	23	P5, P3	6678	B	6.3	14	78	28	P2	
5725	R	6.3	28	58	11	P2	6679	R	12.6	16	45	27	P2	* D. T.
5726	R	6.3	0	49	21	P5, P3	6680	R	12.6	21	89	27	P1	* D. T.
5749	R	6.3	25	43	11	P2	6681	R	12.6	10	0	27	P1	* D. T.
5750	R	6.3	21	73	11	P2	6687	G	6.3	43	67	11	P1	

HICKOK MODEL 799 TUBE CHART

Tube Type	Color	Htr	Bias Shunt	Socket	Press	Notations	Tube Type	Color	Htr	Bias Shunt	Socket	Press	Notations
6754	B	6.3	0	45	P5, P3		8431	R	12.6	27	87	P2	D. T.
6754	R	6.3	0	45	P6, P5, P3		8445	R	6.3	20	55	P6, P2	
6829	R	12.6	18	72	P2	* D. T.	8445	R	6.3	20	55	P2	
6887	R	6.3	0	49	P5, P3	D. T.	8446	B	6.3	17	77	P2	
6888	G	6.3	0	45	P5, P3		8446	G	6.3	15	65	P6, P2	
6919	R	6.3	0	49	P5, P3	D. T.	8489	G	6.3	20	80	P2	
6922	R	6.3	24	86	P2	D. T.	8489	B	6.3	82	90	P2	*
6927	G	6.3	17	62	P2	D. T.	8532	G	6.3	15	88	P2	
6954	R	6.3	19	48	P1	D. T.	9001	G	6.3	35	50	P1	
6968	R	6.3	27	15	P2		9002	G	6.3	17	87	P1	
6973	R	6.3	29	63	P2		9006	G	6.3	40	56	P1	
7025	R	12.6	10	0	P2	* D. T.	9006	B	6.3	0	48	P5, P3	
7036	R	12.6	3	43	P1		CV131	G	6.3	10	10	P2	
7054	R	12.6	20	87	P2		CV133	G	6.3	17	0	P2	D. T.
7055	R	12.6	0	49	P2	D. T.	CV135	G	6.3	0	63	P3	
7056	R	12.6	15	83	P2	D. T.	CV136	B	6.3	31	40	P2	
7057	R	12.6	20	77	P2	D. T.	CV138	B	6.3	10	82	P2	
7058	R	12.6	10	0	P1	D. T.	CV140	B	6.3	0	49	P2	P5, P3
7059	R	12.6	20	57	P2		CV283	R	6.3	0	49	P2	P5, P3
7060	B	12.6	14	78	P2		CV321	R	6.3	25	69	P2	D. T.
7061	B	12.6	31	51	P1		CV366	R	6.3	0	45	P3	D. T.
7062	R	12.6	30	47	P2	*	CV417	G	6.3	10	80	P2	
7105	R	12.6	95	91	P1		CV452	G	6.3	18	0	P1	
7137	G	6.3	15	85	P2	* D. T.	CV452	G	6.3	18	0	P1	
7189, A	R	12.6	31	0	P2	D. T.	CV453	B	6.3	18	40	P5, P3	
7189	G	6.3	20	88	P2		CV454	R	6.3	21	78	P2	
7199	B	6.3	15	77	P2		CV454	R	6.3	25	43	P2	
7199	G	6.3	33	90	P2		CV455	R	12.6	16	45	P2	* D. T.
7244	B	6.3	17	62	P1		CV484	G	3	73	70	P2	*
7245	G	6.3	15	88	P2		CV484	G	3	73	70	P2	*
7247	R	12.6	10	0	P2	D. T.	CV491	R	12.6	21	89	P1	* D. T.
7247	R	12.6	21	89	P1		CV492	R	12.6	10	0	P2	* D. T.
7258	R	12.6	21	83	P2		CV493	R	6.3	0	63	P3	D. T.
7258	B	12.6	21	83	P2		CV509	R	6.3	16	54	P2	
7308	R	12.6	28	0	P6, P2		CV510	R	6.3	16	54	P2	
7316	R	12.6	21	89	P2		CV511	R	6.3	16	54	P2	
7320	G	6.3	24	86	P2	D. T.	CV512	R	6.3	35	45	P1	Cap = G
7355	G	6.3	21	89	P1	*	CV515	R	6.3	55	50	P2	
7408	G	6.3	20	88	P2		CV517	R	---	0	36	P4	D. T.
7534	R	6.3	55	88	P2		CV525	R	12.6	30	89	P1	
7534	R	6.3	16	54	P2		CV526	R	12.6	30	89	P1	
7543	R	6.3	0	63	P6, P3	Cap = P	CV534	R	12.6	24	90	P1	
	R	6.3	21	42	P2		CV535	R	12.6	24	90	P1	
	R	6.3	0	63	P2		CV537	B	12.6	37	10	P2	350 Min
	R	6.3	21	42	P2		CV538	B	12.6	37	10	P2	350 Min

7551	R	12.6	30	77	4	P2	CV540	G	12.6	10	0	30	P1	D. T. 850 Min Cap = P
7558	R	6.3	30	77	4	P2	CV541	B	1.1	0	34	23	P6, P3	
7581	R	6.3	25	69	23	P2	CV543	G	12.6	0	45	23	P5, P3	
7586	R	6.3	30	56	39	P2	CV544	G	12.6	0	45	23	P5, P3	
7587	R	6.3	38	0	39	P2	CV546	R	12.6	0	45	30	P6, P5, P3	
7591	G	6.3	20	86	23	P2	CV546	G	12.6	0	45	1	P5, P3	
7643	R	6.3	20	78	28	P6, P2	CV547	R	12.6	0	45	30	P6, P5, P3	
7643	R	6.3	25	52	28	P2	CV551	G	12.6	0	45	1	P5, P3	
7683	R	6.3	18	75	28	P6, P5, P3	CV551	R	25	43	77	23	P2	
7687	R	6.3	30	0	28	P6, P2	CV552	R	25	43	77	23	P2	
7693	R	6.3	19	0	11	P2	CV553	R	25	43	77	23	P2	
7694	R	6.3	32	83	11	P1	CV561	R	35	48	45	23	P2	
7716	R	50	60	65	5	P2	CV562	R	35	48	45	23	P2	
7716	G	12.6	30	80	19	P2	CV567	R	35	0	63	12	P6, P3	
7717	R	12.6	17	5	19	P6, P1	CV568	R	35	0	63	12	P6, P3	
7717	R	6.3	31	0	11	P2	CV571	R	50	46	72	23	P2	
7719	R	12.6	32	30	27	P2	CV572	R	6.3	0	63	12	P3	
7724	G	12.6	0	45	17	P1	CV572	R	6.3	0	63	23	P3	
7724	B	12.6	0	45	5	P5, P3	CV573	R	6.3	0	63	12	P3	
7724	R	12.6	0	45	36	P6, P5, P3	CV573	R	6.3	0	63	23	P3	
7729	R	12.6	16	45	27	P1	CV574	R	6.3	0	63	12	P3	
7729	R	12.6	10	0	27	P1	CV574	R	6.3	0	63	23	P3	
7730	R	12.6	21	89	27	P1	CV575	R	5	0	63	1	P3	D. T.
7731	R	6.3	20	57	28	P6, P2	CV578	R	6.3	54	69	23	P1	Cap = G
7731	B	6.3	14	78	28	P2	CV579	R	6.3	54	69	23	P1	Cap = G
7732	R	6.3	15	83	11	P2	CV580	R	6.3	54	69	23	P1	Cap = G
7733	R	12.6	18	89	26	P2	CV581	R	6.3	22	86	23	P1	
7738	R	6.3	10	85	9	P2	CV586	R	6.3	20	80	23	P2	
7754	R	6.3	60	65	5	P2	CV590	G	6.3	0	45	23	P5, P3	
7802	R	6.3	45	87	30	P2	CV591	G	6.3	0	45	23	P5, P3	
7803	R	6.3	24	86	27	P2	CV592	G	6.3	0	45	23	P5, P3	
7867	G	6.3	61	68	12	P2	CV593	R	5	0	63	1	P3	D. T.
7868	G	6.3	20	87	3	P2	CV594	G	6.3	0	60	12	P3	Short normal Pos. 2
7895	R	6.3	20	65	39	P2	CV595	G	6.3	0	60	12	P3	Short normal Pos. 2
7898	R	12.6	10	76	27	P2	CV654	R	6.3	39	82	23	P1	
8016	B	1.1	0	34	23	P6, P3	CV655	R	6.3	25	87	23	P1	
8088	G	6.3	31	47	12	P2	CV657	R	6.3	35	48	23	P1	Cap = G
8077	R	12.6	20	87	26	P2	CV658	R	6.3	25	69	23	P1	
8094	R	12.6	23	87	11	P2	CV660	G	6.3	0	44	23	P5, P3	
8102	G	12.6	17	82	5	P2	CV661	G	6.3	0	44	23	P5, P3	
8102	G	12.5	14	84	27	P2	CV664	G	6.3	17	87	20	P1	
8113	R	6.3	26	61	11	P2	CV665	R	6.3	46	56	11	P1	
8136	R	6.3	31	85	11	P2	CV692	R	---	0	36	1	P4	D. T.
8203	R	6.3	31	47	39	P2	CV694	G	12.6	0	40	12	P3	Short normal Pos. 2
8334	R	6.3	12	88	9	P2	CV697	G	12.6	0	45	23	P5, P3	
8393	R	12.6	30	56	39	P2	CV698	G	12.6	0	45	30	P5, P3	
8417	R	6.3	28	92	23	P2	CV700	G	12.6	0	45	1	P6, P5	
							CV700	G	12.6	0	45	1	P6, P5	

 350 Min
Short normal Pos. 2

 * D. T.
* D. T.
* D. T.

 D. T.
D. T.
Cap = P

 * D. T.
Cap = P

HICKOK MODEL 79s TUBE CHART

Tube Type	Color	Htr	Bias	Shunt	Socket	Press	Notations	Tube Type	Color	Htr	Bias	Shunt	Socket	Press	Notations
CV703	R	12.6	0	60	12	P6, P3	Cap = G	CV1862	G	6.3	30	44	11	P2	D. T.
CV706	R	6.3	43	73	23	P1	Cap = G	CV1863	R	5	0	63	1	P3	D. T.
CV715	R	6.3	5	0	23	P3	Cap = G	CV1864	R	5	0	63	1	P3	
CV717	R	5	0	63	1	P3	D. T.	CV1865	G	6.3	35	88	28	P1	
CV728	R	1.4	29	0	23	P1	Cap = G	CV1873	G	6.3	0	44	23	P5, P3	
CV729	R	5	0	63	1	P3	D. T.	CV1876	G	6.3	0	44	23	P5, P3	
CV731	R	6.3	25	87	23	P1		CV1882	G	6.3	0	45	23	P5, P3	
CV732	G	6.3	0	63	1	P3		CV1886	B	6.3	10	85	34	P6, P2	
CV747	G	6.3	0	44	23	P5, P3		CV1902	R	6.3	54	69	23	P1	Cap = G
CV755	R	1.4	55	41	23	P1		CV1908	R	6.3	5	0	23	P1	Cap = G
CV756	R	1.4	55	41	23	P1		CV1909	R	6.3	5	0	23	P1	Cap = G
CV760	R	1.4	80	0	23	P1	Cap = K	CV1910	R	6.3	5	0	23	P1	Cap = G
CV764	R	2	57	0	23	P1	Cap = G	CV1911	R	6.3	25	87	23	P1	
CV765	R	2	70	0	23	P1	Cap = G	CV1912	R	6.3	25	87	23	P1	
CV768	R	2	37	86	23	P1	Cap = K	CV1926	R	6.3	42	81	23	P1	
CV771	R	2	62	76	23	P1		CV1928	R	12.6	25	43	11	P2	
CV774	R	1.4	47	0	23	P1	350 Min	CV1931	R	6.3	42	81	23	P1	
CV782	R	1.4	48	72	22	P1		CV1932	R	6.3	25	90	23	P1	
CV783	G	1.4	73	75	22	P1		CV1933	R	6.3	25	90	23	P1	
CV785	R	1.4	43	0	22	P1		CV1934	R	6.3	35	48	23	P1	Cap = G
CV786	R	1.4	60	58	23	P1		CV1935	R	6.3	35	48	23	P1	Cap = G
CV803	B	2.5	0	34	23	P6, P3	Cap = P	CV1936	R	6.3	35	48	23	P1	Cap = G
CV804	B	2.5	0	34	23	P6, P3	Cap = P	CV1937	R	6.3	35	48	23	P1	Cap = G
CV816	G	3	53	82	22	P1		CV1938	R	6.3	30	90	23	P1	
CV819	R	3	48	23	23	P1		CV1940	R	6.3	30	90	23	P1	Cap = G
CV820	G	3	73	70	22	P1		CV1944	R	6.3	0	60	12	P6, P3	Cap = G
CV841	R	5	0	63	1	P3	D. T.	CV1945	R	6.3	0	60	12	P6, P3	Cap = G
CV842	R	5	0	63	1	P3	D. T.	CV1946	R	6.3	0	60	12	P6, P3	Cap = G
CV844	R	6.3	0	0	23	P1	300 Min	CV1947	R	6.3	25	69	23	P2	
CV845	R	6.3	0	0	23	P1	300 Min	CV1948	R	6.3	25	69	23	P2	
CV846	G	6.3	0	44	23	P5, P3		CV1950	R	6.3	39	82	23	P1	Cap = G
CV848	G	6.3	20	53	11	P2		CV1951	R	6.3	39	82	23	P1	Cap = G
CV849	G	6.3	0	44	23	P5, P3		CV1955	B	6.3	10	82	9	P2	
CV851	R	6.3	27	75	11	P2		CV1959	R	50	47	62	20	P2	
CV852	R	6.3	58	57	23	P2		CV1961	R	12.6	21	42	11	P2	350 Min
CV858	G	6.3	17	62	21	P2		CV1966	B	6.3	37	10	12	P2	350 Min
CV859	G	6.3	0	60	12	P6, P3	D. T.	CV1967	B	6.3	37	10	12	P2	D. T. 350 Min
CV860	R	6.3	21	0	23	P1	Cap = G	CV1969	G	6.3	10	0	30	P1	D. T. 350 Min
CV861	R	6.3	21	0	23	P1	Cap = G	CV1970	G	6.3	10	0	30	P1	D. T. 350 Min
CV862	R	6.3	24	86	23	P1	Cap = G	CV1971	R	1.4	43	0	22	P1	
CV866	G	6.3	0	45	23	P5, P3		CV1972	B	6.3	10	0	1	P2	
CV867	R	6.3	0	45	30	P6, P5, P3		CV1973	B	6.3	10	0	1	P2	
CV867	G	6.3	0	45	30	P5, P3		CV1974	R	6.3	40	80	23	P1	Cap = G
CV867	G	6.3	0	45	1			CV1975	R	6.3	40	80	23	P1	Cap = G

HICKOK MODEL 799 TUBE CHART

Tube Type	Color	Htr	Bias	Shunt	Socket	Press	Notations	Tube Type	Color	Htr	Bias	Shunt	Socket	Press	Notations
CV2796	R	6.3	25	69	23	P2		E92CC	G	6.3	16	75	21	P2	
CV2817	R	6.3	25	69	23	P2		E95F	R	6.3	27	75	11	P2	
CV2821	R	6.3	31	87	30	P1	D. T.	E99F	R	6.3	32	83	11	P1	
CV2835	R	5	0	63	1	P3	D. T.	E130L	R	6.3	0	63	12	P6, P3	
CV2842	G	6.3	17	0	20	P2		E180CC	R	12.6	19	72	27	P2	* D. T.
CV2843	G	6.3	17	62	21	P3	D. T.	E188CC	R	6.3	24	86	27	P2	D. T.
CV2844	R	6.3	0	63	1	P2	D. T.	EAA91	R	6.3	0	49	21	P5, P3	D. T.
CV2854	R	6.3	38	78	11	P2		EABC80	G	6.3	20	5	17	P6, P1	
CV2877	R	6.3	27	75	11	P2		EABC80	B	6.3	20	40	17	P5, P3	
CV2882	R	6.3	0	49	21	P5, P3	D. T.	EABC80	B	6.3	20	49	17	P6, P5, P3	
CV2883	G	6.3	30	44	11	P2		EABC80	R	6.3	20	49	17	P6, P5, P3	Short normal Pos. 1
CV2884	R	6.3	28	58	11	P2		EB91	R	6.3	0	49	21	P5, P3	D. T.
CV2937	G	6.3	18	0	10	P1		EBE81	B	6.3	22	20	18	P6, P1	
CV2937	B	6.3	18	40	10	P5, P3	D. T.	EBE81	B	6.3	0	40	34	P5, P3	
CV2975	G	6.3	20	88	26	P2		EBE90	G	6.3	18	0	10	P1	
CV2983	R	3	53	82	22	P1	▲	EBE90	B	6.3	18	40	10	P5, P3	D. T.
CV2984	R	6.3	95	91	30	P1	D. T.	EBE91	G	6.3	10	0	10	P1	
CV2990	R	6.3	21	42	11	P2		EBE91	B	6.3	10	40	10	P5, P3	
CV2992	R	5	0	63	1	P3	D. T.	EBF80	B	6.3	19	35	28	P2	
CV3508	R	12.6	16	45	27	P2		EBF80	R	6.3	0	45	26	P2	
CV3616	R	6.3	0	20	38	P5, P3	* D. T.	EBF83	G	6.3	0	45	27	P6, P5, P3	
CV3618	R	6.3	25	69	23	P2		EBF83	B	6.3	0	40	34	P5, P3	
CV3619	G	6.3	0	45	23	P5, P3		EBF83	G	6.3	0	40	36	P6, P5, P3	
CV3627	R	6.3	31	87	30	P1	D. T.	EBF89	B	6.3	36	0	28	P2	250 Min
CV3650	R	12.6	14	77	27	P1	* D. T.	EBF89	G	6.3	0	45	28	P5, P3	
CV3651	G	12.6	0	60	12	P3	Short normal Pos. 2	EBF89	G	6.3	0	45	27	P5, P3	
CV3666	R	12.6	0	45	30	P6, P5, P3		EC80	B	6.3	10	85	34	P6, P2	
CV3666	G	12.6	0	45	1	P5, P3		EC81	G	6.3	35	88	28	P1	
CV3668	B	12.6	37	10	12	P2	350 Min	EC86	R	6.3	12	90	27	P6, P2	
CV3699	G	6.3	0	45	23	P5, P3		EC90	G	6.3	17	0	20	P2	
CV3699	R	6.3	10	0	30	P1	D. T.	EC91	G	6.3	10	80	10	P2	
CV3734	R	6.3	0	63	12	P3		EC92	G	6.3	16	45	20	P2	
CV3734	R	6.3	0	63	23	P3		EC94	R	6.3	45	42	9	P2	
CV3808	R	6.3	41	40	9	P2		EC95	R	6.3	13	81	8	P2	
CV3859	R	6.3	25	69	23	P2		EC97	R	6.3	15	84	8	P2	
CV3900	R	12.6	35	77	27	P1	* D. T.	EC900	R	6.3	19	82	11	P2	D. T.
CV3908	R	6.3	19	0	11	P2		ECC33	R	6.3	31	87	30	D1	
CV3909	R	6.3	32	83	11	P1		ECC81	R	12.6	16	45	27	P2	* D. T.
CV3912	R	1.4	41	0	22	P1	▲ 350 Min	ECC82	R	12.6	21	89	27	P1	* D. T.
CV3924	G	6.3	0	44	23	P5, P3		ECC83	R	12.6	10	0	27	P1	* D. T.
CV3927	R	12.6	0	60	12	P6, P3	Cap = G	ECC84	R	6.3	28	62	6	P2	
CV4003	R	12.6	21	89	27	P1	* D. T.	ECC84	B	6.3	0	45	4	P5, P3	
CV4004	R	12.6	10	0	27	P1	* D. T.	ECC85	R	6.3	10	77	27	P2	D. T.
CV4005	R	6.3	0	63	10	P3	D. T.	ECC88	R	6.3	24	86	27	P2	D. T.

CV4006	R	6.3	32	80	26	P1	D. T.	ECC91	G	6.3	17	62	'21	P2	D. T.
CV4007	R	6.3	0	49	21	P5, P3		ECC186	R	12.6	21	89	27	P1	* D. T.
CV4009	R	6.3	25	43	11	P2		ECC189	R	6.3	25	80	27	P2	D. T.
CV4010	R	6.3	27	75	11	P2		ECC230	R	6.3	95	91	30	P1	D. T.
CV4011	R	6.3	28	58	11	P2		ECC801S	R	12.6	16	45	27	P2	* D. T.
CV4012	R	6.3	21	78	11	P2		ECF80	R	6.3	20	78	28	P6, P2	
CV4015	B	6.3	10	10	9	P2		ECF80	B	6.3	25	52	28	P2	
CV4016	R	12.6	21	89	27	P1	* D. T.	ECF82	R	6.3	20	57	28	P6, P2	
CV4019	G	6.3	30	44	11	P2		ECF82	B	6.3	14	78	28	P2	
CV4023	R	6.3	21	42	11	P2		ECF83	R	6.3	50	88	6	P1	
CV4024	R	12.6	16	45	27	P2		ECF83	G	6.3	50	56	27	P1	
CV4025	R	6.3	0	49	21	P5, P3	* D. T.	ECF86	R	6.3	0	45	16	P5, P3	
CV4026	R	5	0	63	1	P3	D. T.	ECF86	G	6.3	16	89	19	P2	
CV4027	R	5	0	63	1	P3	D. T.	ECF200	R	6.3	20	90	7	P2	
CV4027	R	5	0	63	1	P3	D. T.	ECF200	R	6.3	10	47	7	P6, P2	
CV4031	G	6.3	17	62	21	P2	* D. T.	ECF201	R	6.3	23	81	7	P2	
CV4032	R	12.6	21	89	27	P1	* D. T.	ECF201	R	6.3	28	47	7	P6, P2	
DV7	R	6.3	0	49	21	P5, P3	D. T.	ECF201	R	6.3	23	39	28	P6, P2	
DAF92	R	1.4	41	0	22	P1	* 350 Min	ECF802	R	6.3	14	39	28	P2	
DAF92	G	1.4	0	40	22	P1		ECF802	B	6.3	14	39	28	P2	
DC90	R	1.4	39	64	22	P1		ECH83	G	6.3	0	45	27	P6, P5, P3	
DR7	R	6.3	31	40	11	P2		ECH83	G	6.3	0	45	17	P6, P5, P3	
DF91	R	1.4	43	0	22	P1		ECH84	G	6.3	0	45	27	P6, P5, P3	
DF92	R	1.4	40	48	22	P1		ECH84	G	6.3	0	45	17	P6, P5, P3	
DF96	R	1.4	38	0	22	P1		ECL80	G	6.3	29	80	17	P6, P1	
DF904	R	1.4	29	20	22	P1		ECL80	B	6.3	0	45	34	P6, P5, P3	
DH77	G	6.3	18	0	10	P1		ECL82	B	6.3	0	63	28	P3	
DH77	B	6.3	18	40	10	P5, P3	D. T.	ECL82	B	6.3	0	63	19	P6, P3	
DK91	R	1.4	48	72	22	P1		ECL84	G	6.3	15	40	27	P6, P2	
DL92	G	3	73	70	22	P1		ECL84	G	6.3	15	88	17	P2	
DL94	R	3	53	82	22	P1		ECL85	G	6.3	47	78	27	P2	
DL95	G	3	53	82	22	P1		ECL85	R	6.3	17	70	27	P2	
DL96	R	3	57	73	22	P1		ECL86	R	6.3	10	10	17	P6, P1	
DF61	R	6.3	27	75	11	P2		ECL86	B	6.3	0	45	19	P5, P3	
DF86	R	1.4	0	37	6	P6, P3	Cap = P	EF80	R	6.3	17	85	26	P2	
DY87	R	1.4	0	37	6	P6, P3	Cap = P	EF85	R	6.3	30	51	26	P2	
E90CC	R	12.6	16	0	27	P2	* D. T.	EF89	R	6.3	29	37	26	P2	
E90CF	R	6.3	15	75	28	P6, P2		EF91	B	6.3	10	82	9	P2	
E90CF	B	6.3	30	41	28	P2		EF92	R	6.3	10	10	9	P2	
E90L	R	6.3	16	85	26	P2		EF92	B	6.3	25	43	11	P2	
E91CC	R	12.6	16	45	27	P2	* D. T.	EF93	R	6.3	21	42	11	P2	
E92CC	R	12.6	21	89	27	P1	* D. T.	EF94	R	6.3	27	75	11	P2	
E93CC	R	12.6	10	0	27	P1	* D. T.	EF95	R	6.3	0	48	20	P5, P3	
E94L	G	6.3	20	88	26	P2		EF97	G	6.3	0	47	20	P5, P3	
E98CC	G	6.3	24	86	27	P2		EF98	G	6.3	0	47	20	P5, P3	
E90CC	R	6.3	26	68	21	P2	D. T.	EF183	R	6.3	28	87	26	P2	
E90F	G	6.3	19	0	11	P2	D. T.	EF184	R	6.3	17	92	26	P2	
E91AA	R	6.3	0	49	21	P5, P3	D. T.	EF800	R	6.3	17	85	26	P2	
E91H	G	6.3	43	85	11	P1		EF804	B	6.3	0	45	34	P6, P5, P3	

Short normal Pos. 2

 250 Min
 Jumper K to G.
 Short normal Pos. 2

HICKOK MODEL 799 TUBE CHART

Tube Type	Color	Htr	Bias	Shunt	Socket	Press	Notations	Tube Type	Color	Htr	Bias	Shunt	Socket	Press	Notations
EF804S	B	6.3	0	45	34	P6,P5,P3		U70	R	6.3	0	63	12	P3	
EFL200	G	6.3	21	81	7	P2		U70	R	6.3	0	63	23	P3	
EFL200	G	6.3	24	90	7	P6,P2		U78	R	6.3	0	63	10	P3	D. T.
EH90	G	6.3	43	67	11	P1		U709	R	6.3	0	63	27	P6,P3	
EK90	G	6.3	21	78	11	P2		U709	G	6.3	0	63	27	P3	
EL34	R	6.3	33	86	23	P2		UABC80	G	25	20	5	17	P6,P1	
EL37	R	6.3	20	80	23	P2		UABC80	B	25	20	40	17	P5,P3	
EL38	R	6.3	23	88	23	P2	Cap = P	UABC80	B	25	20	49	17	P6,P5,P3	
EL83	G	6.3	18	86	36	P6,P2		UABC80	R	25	20	49	17	P6,P5,P3	Short normal Pos. 1
EL84	G	6.3	20	88	26	P2		UBF89	B	20	36	0	28	P2	250 Min
EL86	G	6.3	28	78	26	P2		UBF89	G	20	0	45	28	P5,P3	
EL90	G	6.3	30	44	11	P2		UBF89	G	20	0	45	27	P5,P3	
EL91	B	6.3	31	40	11	P2		UC92	G	10	16	45	20	P2	
EL95	G	6.3	26	62	11	P2		UCC85	R	25	10	77	27	P2	D. T.
EL500	R	6.3	0	63	36	P6,P3	Cap = P Use SA-8 Adapter	UCL82	B	50	0	63	28	P3	Short normal Pos. 2
EY80	B	6.3	0	60	34	P6,P3		UCL82	B	50	0	63	19	P6,P3	
EY81	G	6.3	0	63	17	P3		UF80	R	20	17	85	26	P2	
EY84	G	6.3	0	60	28	P6,P3	Cap = K	WF77	B	12.6	29	37	26	P2	
EY86	R	6.3	0	37	6	P6,P3	Cap = P	XC95	R	2.5	13	81	8	P2	
EY88	G	6.3	0	63	19	P3	Cap = K	XC97	R	2.5	15	84	8	P2	
EY91	R	6.3	0	63	10	P3	Short normal Pos. 2	XC900	R	2.5	19	82	11	P2	
EZ35	R	6.3	0	63	12	P3		XCC189	R	4.3	25	80	27	P2	D. T.
EZ35	R	6.3	0	63	23	P3		XCF80	R	4.3	20	78	28	P6,P2	
EZ80	R	6.3	0	63	27	P6,P3		XCF80	B	4.3	25	52	28	P2	
EZ81	G	6.3	0	63	27	P3		XCF86	R	5.0	0	45	16	P5,P3	
EZ81	R	6.3	0	63	27	P6,P3		XCF86	G	5.0	16	89	19	P2	
EZ90	R	6.3	0	63	10	P3		XCL82	B	7.5	0	63	28	P3	Short normal Pos. 2
EZ92	R	5	0	63	1	P3		XCL82	B	7.5	0	63	19	P6,P3	
GZ33	R	5	0	63	1	P3		XCL84	G	6.3	15	40	27	P6,P2	
GZ34	R	2	38	0	39	P2		XCL84	G	6.3	15	88	17	P2	
H-1112	R	20	10	0	17	P6,P1	350 Min	XCL85	G	10	47	78	27	P2	
HABC80	G	20	10	49	17	P5,P3	D. T.	XCL85	G	10	17	70	27	P6,P2	
HABC80	R	20	10	49	17	P6,P5,P3	Short normal Pos. 1	XF90	R	3	17	85	26	P2	
HBC90	B	12.6	18	40	10	P5,P3	D. T.	XF95	R	3	20	51	26	P2	Cap = P
HCC85	R	17	12	82	27	P2	D. T.	XF183	R	3	38	87	26	P2	Use SA-8 Adapter
HF94	R	12.6	21	42	11	P2	D. T.	XF184	R	3	20	88	26	P2	Short normal Pos. 2
HL90	G	20	30	44	11	P2		XL84	G	7.5	20	38	26	P2	
HL94	R	25	30	84	20	P2		XL500	R	12.6	0	63	36	P6,P3	
HZ90	R	12.6	0	63	10	P3	D. T.	XY88	G	17	0	63	19	P3	
KT66	R	6.3	25	69	23	P2		YC95	R	3	13	81	8	P2	
								YC97	R	3	15	84	8	P2	

K4XL's  **BAMA**

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