

*The*



*Electrical Instrument Company*

124 McDONOUGH ST.

DAYTON 2, OHIO

# SPECIAL TUBE DATA

MODEL 648

MANUFACTURERS OF *"Service Engineered"* ELECTRONIC TEST EQUIPMENT

# SELDOM USED TUBE LIST

OA4G 25. BC18 6 30 W

Conducting  
Hold W button and set fil. to 100  
Non-conducting

OZ4A	.75	B3	4	15 W
1003			6	15 W
OY4	.75	28	C46	15 W
1A3	1.4	B124	6	100 X
1A4	2.0	12	349	60 YZ
1A5	1.4	12	456	28 YZ
1A6	2.0	126	C349	60 YZ
		12	C356	42 XZ
1A7	1.4	126	459	60 YZ
		12	AB568	42 XZ
1AB5	1.4	12	456	70 V
1AB6	1.4	14	AB2567	39 XZ
			A23	33 YZ
1AC6	1.4	14	AB2567	39 XZ
			A23	33 YZ
1AE4	1.4	14	AB267	19 XZ
1AF4	1.4	A14	AB267	44 VX
1AF5	1.4	A14	C356	78 XZ
			2	78 Y
1AH5	1.4	14	C356	52 XZ
			2	100 X
1AJ4	1.4	14	AB267	24 XZ
1B4P	2.0	12	349	34 XZ
1B5	2.0	12	AC34	70 XY
25S			5	100 X
			6	100 X

1H6	2.0	12	A48	70 XY
			5	100 X
			6	100 X
1J5	2.0	12	456	42 V
1J6	2.0	12	A45	55 YZ
			AC68	55 YZ
1L4	1.4	14	AB267	40 YZ
1L6	1.4	14	AB567	84 YZ
			A235	40 XZ
1LA4	1.4	12	456	28 YZ
1LA6	1.4	1257	A468	40 XZ
		1246	A578	45 XZ
1LB4	1.4	12	456	26 YZ
1LC5	1.4	127	456	28 XZ
1LC6	1.4	1257	A468	30 XZ
		1246	A578	32 XZ
1LD5	1.4	12	456	55 XY
			7	100 X
1LE3	1.4	12	A46	70 V
1LG5	1.4	127	456	32 YZ
1LH4	1.4	12	A46	65 XZ
			7	100 X
1LN5	1.4	127	456	38 XZ
1N5	1.4	12	459	33 XZ
1N6	1.4	12	456	32 YZ
			8	100 X
1P5	1.4	12	459	30 XZ
1Q5	1.4	12	456	58 Z
1R4	1.4	123	7	100 X
1294				
1R5	1.4	B134	AB267	35 XZ
		14	A23	23 XZ
1S2	1.4	12	9	38 VX
1S4	1.4	14	B236	22 YZ

1B7	1.4	126	459	48 YZ
		12	AB568	35 XZ
1B8	1.4	12	456	30 YZ
			A89	50 XZ
			3	100 X
1C3	1.4	14	C37	34 Z
1C5	1.4	12	456	35 V
1C6	2.0	126	C349	55 YZ
		12	C356	35 XZ
1C7	2.0	126	459	55 YZ
		12	AB568	35 XZ
1C21	—	C1	A6	22 WX
1D5	2.0	12	459	40 YZ
1D7	2.0	126	459	60 YZ
		12	AB568	42 XZ
1D8	1.4	12	456	26 YZ
			A89	50 XZ
			3	100 X
1E4	1.4	12	A46	50 YZ
1E5	2.0	12	459	34 XZ
1E7	2.0	12	C345	60 V
			AB368	60 V
1F4	2.0	12	C345	50 V
1F5	2.0	12	456	50 V
1F6	2.0	12	459	50 YZ
			3	100 X
			6	100 X
1F7	2.0	12	489	50 YZ
			5	100 X
			6	100 X
1G4	1.4	12	A46	40 YZ
1G5	2.0	12	456	38 V
1G6	1.4	12	A45	75 YZ
			AC68	75 YZ
1H4	2.0	12	A46	40 YZ
1H5	1.4	12	A49	65 XZ
			6	100 X

1S5	1.4	14	C356	32 XZ
			2	100 X
1T4	1.4	14	AB267	40 YZ
1T5	1.4	12	456	25 YZ
1U4	1.4	14	AB267	35 XZ
1U5	1.4	14	AB267	52 YZ
			3	100 X
1U6	1.4	14	A235	48 XZ
			AB567	48 XZ
1SA6	1.4	124	A358	45 YZ
1SB6	1.4	BC12	AC345	39 XZ
			6	100 X
1V	6.3	124	3	28 VW
1W4	1.4	14	AB267	45 V
1Z2	1.4	14	9	29 VX
2A3	2.5	12	A34	25 W
2A4	2.5	12	4	12 W
2A5	2.5	123	456	50 W
2A6	2.5	A123	A49	50 WX
			5	80 X
			6	80 X
2A7	2.5	12367	459	18 WX
		12345	A67	38 XZ
2B7	2.5	123	459	65 WZ
			6	80 X
			7	80 X
2C21	6.3	123	AC67	15 WY
		124	A59	15 WY
2C50	12.6	234	A17	40 Z
		238	AC56	40 Z
2C51	6.3	B456	A13	40 Z
		467	A89	40 Z
2C52	12.6	A234	A17	28 WX
		A238	AC56	28 WX

2D21	6.3	C1234	A67	14	W
		Non-conducting Hold W and push 7 of circuit D Conducting			
2E5	2.5	123	A34 AB456	20	WX 0 W
	Visual Test				
2E24	6.3	12	AB469	30	W
2E26	6.3	125	AB469	25	W
2E30	6.3	23	AC156	42	W
2G5	2.5	123	A45 AB456	18	WX 0 W
	Visual Test				
2S	2.5	123	4	80	X
4S			5	80	X
2T4	2.5	235	A16	28	Z
2V2	2.5	12	9	50	XZ
2V3	2.5	12	9	43	XZ
2W3	2.5	13	5	20	W
2X2	2.5	12	9	15	WX
2Z2	2.5	12	3	15	WZ
G84					
3A4	2.5	14	AB236	30	V
3A5	2.5	14	AC27 AC56	30 33	YZ YZ
3A8	2.5	12	459 AC68 3	80 80 100	YZ XZ X
3B4	2.5	35	AB124	42	Z
3B5	2.5	12	456	30	V
3B7	2.5	12	A45 A36	60 60	YZ YZ
3B24	5.0	23	9	43	W
3C4	3.0	14	AB267	18	YZ
3C5	2.5	12	456	35	V
3C6	2.5	12	A57	70	V
XXB			A68	70	V
6A7	6.3	12367 12345	459 A67	18 38	WX XZ
6A8	6.3	12368 12345	459 AC68	18 38	WX XZ
6AB5	6.3	123	A45	25	XZ
6N5	Visual Test		AB456	0	W
6AC5	6.3	123	A46	35	WY
6AC6	6.3	123	456	60	W
6AD5	6.3	A123	A46	40	WX
6AD6	6.3	1235 1234	C46 C56	0 0	WX WX
	Visual Test				
6AD7	6.3	123	456 AC78	50 32	W WY
6AE5	6.3	123	A46	20	YZ
6AE6	6.3	123	A46 A56	32 38	WY WY
6AE7	6.3	126 123	A45 A48	40 40	V V
6AF5	6.3	123	A46	20	YZ
6AF6	6.3	1235 1234	C46 C56	0 0	WX WX
	Visual Test				
6AH5	6.3	123	578	25	W
6AH7	6.3	C123 235	A47 AC68	15 15	WY WY
6AJ5	6.3	A234	AC156	20	XZ
6AL6	6.3	123	AB569	25	W
6AN5	6.3	A234	AC156	40	W
6AN6	6.3	146	2 3 5 7	70 70 70 70	Z Z Z Z
6AX6	6.3	125 123	4 6	14 14	W W
6B4	6.3	12	A46	25	W
6B5	6.3	123	456	55	WZ

3D6	2.5	12	456	28	V
1299					
3E5	2.5	14	AB267	74	Z
3E6	2.5	127	456	80	V
3LE4	2.5	12	456	35	V
3LF4	2.5	12	456	65	Z
3Q4	2.5	14	B236	80	Z
3Q5	2.5	12	456	55	Z
3S4	2.5	14	B236	35	V
3V4	2.5	14	AB267	70	Z
4A6	2.0	23 13	A45 AC68	32 32	XZ XZ
5A6	5.0	1237	489	60	VW
5T4	5.0	13	5 8	15 15	W W
5V4	5.0	13	5 8	15 15	W W
5W4	5.0	13	5 8	20 20	W W
5X3	5.0	12	3 4	18 18	W W
5X4	5.0	23	4 6	17 17	W W
5Y4	5.0	23	4 6	20 20	W W
5Z3	5.0	12	3 4	18 18	W W
5Z4	5.0	13	5 8	18 18	W W
6A3	6.3	12	A34	25	W
6A4	6.3	12	C345	28	WZ
LA					
6A5	6.3	12	A46	25	W
6A6	6.3	126	A45 A37	75 75	WZ WZ
6B6	6.3	A123	A49 5 6	50 80 80	WX X X
6B7	6.3	123	459 6 7	65 80 80	WZ X X
6B8	6.3	123	489 5 6	65 80 80	WZ X X
6BD4	6.3	127	C69	70	XY
6BK6	6.3	A237	AC14 5 6	32 75 75	WX X X
6BT6	6.3	A237	AC14 5 6	32 75 75	WX X X
6BU6	6.3	237	AC14 5 6	42 70 70	WZ X X
6BX6	6.3	A1256	B379*	20	WY
6C6	6.3	A1236	459	25	WY
6C7	6.3	123	A49 6 7	18 80 80	WY X X
6C8	6.3	125 123	A49 AC68	15 15	WX WX
6D4	6.3	235	AC14	20	V
6D6	6.3	A1236	459	15	WY
6D7	6.3	A1236	459	25	WY
6D8	6.3	12368 123	459 AC68	15 80	WX XZ
6E5	6.3	123	A45 AB456	20 0	WX WX
	Visual Test				
6E6	6.3	126	A45 A37	30 30	WZ WZ
6E7	6.3	A1236	459	15	WY

6F4	6.3	123	A58	20 V
6F5	6.3	A123	A59	40 WX
6F7	6.3	A123 123	459 A67	18 WY 65 YZ
6F8	6.3	125 123	A49 AC68	15 WY 15 WY
6G6	6.3	123	456	35 WZ
6H4	6.3	123	5	20 XZ
6H6	6.3	125 123	4 6	18 XZ 18 XZ
6J4	6.3	A237	A45	65 Z
6J7	6.3	A1236	459	25 WY
6J8	6.3	A123 123	459 AC68	40 WY 55 V
6K5	6.3	A123	A49	25 WX
6K7	6.3	A1236	459	15 WY
6K8	6.3	A1236 123	459 AC68	30 WY 18 XZ
6L5	6.3	123	A46	18 WY
6L7	6.3	A1236	459	25 WY
6M8	6.3	127 A127	459 AC68 3	48 V 60 XZ 80 X
6M-E5	6.3 Visual Test	234	AC17 AC157	18 WX 0 W
6N4	6.3	237	AC15	25 V
6N6	6.3	123	456	55 WZ
6N7	6.3	123	A45 AC68	75 WZ 75 WZ
6N8	6.3	A1236 123	AB458 7 9	60 V 80 X 80 X
6P5	6.3	123	A46	12 WX
6P7	6.3	AB134 B134	569 AC28	18 WY 65 YZ

6SQ7	6.3	A234	AC18 5 6	50 WX 80 X 80 X
6SR7	6.3	234	AC18 5 6	18 WY 80 X 20 X
6SS7	6.3	A1246	A358	18 WY
6ST7	6.3	234	AC18 5 6	18 WY 80 X 80 X
6SU7	6.3	A234 A238	A17 AC56	35 WX 35 WX
6SV7	6.3	A234	B158 6	25 WY 80 X
6SZ7	6.3	A234	AC18 5 6	30 WX 80 X 80 X
6T5	6.3 Visual Test	123	A45 AB456	20 WX 0 W
6T7	6.3	A123	A49 5 6	30 WX 80 X 80 X
6U5	6.3 Visual Test	123	A45 AB456	18 WX 0 W
6U6	6.3	123	456	40 VW
6U7	6.3	A1236	459	15 WY
6V3	6.3	12	5	20 VW
Connect top cap to octal socket pin 2				
6V4	6.3	123	4 9	18 W 18 W
6V5	6.3	C123	456	35 W
6V7	6.3	123	A49 5 6	15 WY 80 X 80 X
6V8	6.3	123	A48 5 6 127	60 V 54 X 76 X 54 X

6Q4	6.3	123	AC46	16 YZ
6Q6	6.3	A123	A49 6	35 WX 80 X
6Q7	6.3	A123	A49 5 6	35 WX 80 X 80 X
6R4	6.3	123	AC47	40 Z
6R6	6.3	A123	C469	15 WY
6R7	6.3	123	A49 5 6	55 WZ 80 X 80 X
6S7	6.3	A1236	459	15 WY
6S8	6.3	AC123 C123 C123 236	A89 5 7 4	50 WX 80 X 80 X 80 X
6SA7	6.3	A12678 128	AC345 A56	35 WY 30 V
6SB7	6.3	A1268 128	AC345 A56	35 WY 22 V
6SC7	6.3	A238	A14 AC56	40 WX 40 WX
6SD7	6.3	A1246	A358	60 WZ
6SF5	6.3	AC123	AC46	35 WX
6SF7	6.3	A234	B158 6	50 WZ 80 X
6SG7	6.3	A126	A358	55 WZ
6SH7	6.3	A1246	A358	65 WZ
6SJ7	6.3	A1246	A358	20 WY
6SK7	6.3	A1246	A358	15 WY
6SL7	6.3	A234 A238	A17 AC56	35 WX 35 WX

6W5	6.3	123	4 6	15 W 15 W
6W7	6.3	A1236	459	23 WY
6Y5	6.3	126	3 5	25 VW 25 VW
6Y6	6.3	123	456	20 W
6Y7	6.3	123	A45 AC68	25 WY 25 WY
6Z5	12.6	246	3 5	16 W 16 W
6Z6	6.3	123 125	6 4	16 W 16 W
6Z7	6.3	123	A45 AC68	30 WY 30 WY
7A4	6.3	123	A46	15 WY
7A5	6.3	123	456	40 VW
7A6	6.3	124 123	5 6	20 XZ 20 XZ
7A7	6.3	A1237	456	55 WZ
7A8	6.3	12357 123	A468 A578	20 WY 20 WY
7AB7	6.3	A346	C158	22 WY
1204				
7AD7	6.3	1237	456	60 W
7AF7	6.3	123 124	A68 A57	45 WZ 45 WZ
7AG7	6.3	A1237	456	22 WY
7AH7	6.3	A1237	456	25 WY
7AJ7	6.3	1237	456	45 WZ
7AK7	6.3	A1237	456	32 WZ
7B4	6.3	A123	A46	35 WX
7B5	6.3	123	456	55 W
7B6	6.3	A123	A45 6 8	40 WX 80 X 80 X
7B7	6.3	A1237	456	15 WY

7B8	6.3	A12357 123	A468 A578	24 WY 20 WY
7C4	6.3	123	7	20 XZ
1203A				
7C5	6.3	123	456	35 W
7C6	6.3	A123	A45 6 8	65 WX 80 X 80 X
7C7	6.3	A1237	456	37 YZ
7E5	6.3	A247	A38	22 WY
7E6	6.3	123	A45 6 8	15 WY 80 X 80 X
7E7	6.3	A123	A468 5 7	18 WY 80 X 80 X
7F7	6.3	A123 A124	A68 A57	35 WX 35 WX
7F8	6.3	347 348	AC15 AC26	50 Z 50 Z
7G7	6.3	A1237	456	18 WY
7G8	6.3	A126	457 358	30 WY 30 WY
7H7	6.3	A1237	456	15 WY
7J7	6.3	A1237 123	A468 A57	30 WY 20 WY
7K7	6.3	A124 123	A57 6 8	35 WX 80 X 80 X
7L7	6.3	A1237	456	25 WY
7N7	6.3	123 124	A68 A57	15 WY 15 WY
7Q7	6.3	A12378 123	456 A57	30 WY 30 V
7R7	6.3	A123	A468 5 7	18 WY 80 X 80 X

12K7	12.6	A1236	459	15 WY
12K8	12.6	A1236 123	459 AC68	30 WY 18 XZ
12L8	12.6	B128	367 AC456	70 Z 70 Z
12Q7	12.6	A123	A49 5 6	35 WX 80 X 80 X
12R5	12.6	C123	467	22 V
12S8	12.6	AC123	A89 5 7 236	50 WX 80 X 80 X 80 X
12SA7	12.6	A12678 128	AC345 A56	35 WY 30 V
12SC7	12.6	A238	A14 AC56	40 WX 40 WX
12SF5	12.6	AC123	AC46	35 WX
12SF7	12.6	A234 234	B158 6	50 WZ 80 X
12SG7	12.6	A126	A358	55 WZ
12SH7	12.6	A1246	A358	75 WZ
12SJ7	12.6	A1246	A358	20 WY
12SK7	12.6	A1246	A358	15 WY
12SL7	12.6	A234 A238	A17 AC56	35 WX 35 WX
12SQ7	12.6	A234	AC18 5 6	50 WX 80 X 80 X
12SR7	12.6	234	AC18 5 6	18 WY 80 X 80 X
12SW7	12.6	234	AC18 5 6	18 WY 80 X 80 X
12SX7	12.6	234 238	A17 AC56	15 WY 15 WY

7S7	6.3	A1237 123	A468 A57	25 WY 60 V
7T7	6.3	A123	456	20 WY
7V7	6.3	A1237	456	65 WZ
7W7	6.3	A1268	457	20 WY
7X6	6.3	123 124	6 5	14 W 14 W
7X7	6.3	A127	A45	45 WX
XXFM			8 123 6	80 X 80 X
7Y4	6.3	123	5 6	18 W 18 W
7Z4	6.3	123	5 6	18 W 18 W
10	7.5	12	A34	80 W
12A	5.0	12	A34	65 Z
112A				
12A4	12.6	124	AC56	26 Z
12A5	12.6	127	456	40 W
12A6	12.6	123	456	42 W
12A7	12.6	123 126	459 7	70 Z 22 Z
12A8	12.6	12368 12345	459 AC68	18 WY 38 XZ
12B8	12.6	127 128	459 AC36	70 Z 18 XZ
12E5	12.6	123	A46	50 V
12F5	12.6	A123	A59	40 WX
12G4	12.6	234	A56	38 V
12H6	12.6	125 123	4 6	20 XZ 20 XZ
12J5	12.6	123	A46	15 WY
12J7	12.6	A1236	459	25 WY
12J8	12.6	A125 129	AB348 6 7	52 X 60 X 60 X

12SY7	12.6	A1268 128	AC345 A56	35 WY 30 V
12U7	12.6	A123 A127	A45 A89	83 X 83 X
12Z3	12.6	124	3	30 VW
14A4	12.6	123	A46	15 WY
14A5	12.6	123	456	40 W
14A7	12.6	A1237	456	55 WZ
12B7				
14AF7	12.6	123 124	A68 A57	45 WZ 45 WZ
14B6	12.6	A123	A45 6 8	40 WX 80 X 80 X
14B8	12.6	A12357 123	A468 A578	24 WY 20 WY
14C5	12.6	123	456	35 W
14C7	12.6	A1237	456	37 YZ
14E6	12.6	123	A45 6 8	15 WY 80 X 80 X
14E7	12.6	123	A468 5 7	18 WY 80 X 80 X
14F7	12.6	A123 A124	A68 A57	35 WX 35 WX
14F8	12.6	347 348	AC15 AC26	50 Z 50 Z
14H7	12.6	A1237	456	15 WY
14J7	12.6	A1237 123	A468 A57	30 WY 20 WY
14N7	12.6	123 124	A68 A57	15 WY 15 WY
14Q7	12.6	A12378 123	456 A57	30 WY 30 V

14R7	12.6	A123	A468 5 7	18 WY 80 X 80 X
14S7	12.6	A1237 123	A468 A57	25 WY 60 V
14W7	12.6	A1268	457	20 WY
14X7	12.6	A127  123	A45 8 6	45 WX 80 X 80 X
14Y4	12.6	123	5 6	18 W 18 W
15	2.0	A123	459	30 XZ
15A6	15.	1238	AB459	45 W
16A5	17.	123	B569	30 Z
19	2.0	12	A45 A36	90 V 90 V
20	3.0	12	A34	52 V
22	3.0	12	349	45 XZ
24A	2.5	A123	459	30 WY
25A6	25.	123	456	20 WZ
25A7	25.	123 127	456 8	75 VW 25 VW
25AC5	25.	123	A46	65 V
25B5	25.	123	456	50 Z
25B6	25.	123	456	35 VW
25B8	25.	127 A128	459 AC36	20 YZ 45 XZ
25C6	25.	123	456	35 VW
25D8	25.	127 A127	459 AC68 3	48 V 60 XZ 80 X
25N6	25.	123	456	50 Z
25X6	25.	125 123	4 6	25 VW 25 VW
25Y5	25.	125 126	4 3	15 W 15 W

36	6.3	A123	459	30 WY
37	6.3	123	A45	18 WY
38	6.3	123	459	40 WZ
39	6.3	A123	459	18 WY
44				
41	6.3	123	456	25 WZ
42	6.3	123	456	50 W
43	25.	123	456	35 W
45	2.5	12	A34	30 W
45Z3	35.	B134	6	25 VW
45Z5	35.	123	6	13 W
46	2.5	12	C345	38 W
47	2.5	12	C345	60 W
48	35.	123	456	40 VW
49	2.0	12	C345	27 YZ
50	7.5	12	A34	40 W
50A5	50.	123	456	40 VW
50AX6	50.	125 123	4 6	14 W 14 W
50C6	50.	123	456	30 VW
50X6	50.	124 123	5 6	15 W 15 W
50Y6	50.	125 123	4 6	15 W 15 W
50Y7	50.	125 123	4 6	13 W 13 W
50Z7	50.	125 123	4 6	15 W 15 W
52	6.3	12	C345	55 Z
53	2.5	126	A45 A37	75 WZ 75 WZ
55	2.5	123	A49 5 6	16 WY 80 X 80 X
56	2.5	123	A45	16 WY
57	2.5	A1236	459	22 WY

25Z5	25.	125 126	4 3	15 W 15 W
25Z5MG	25.	125 123	4 6	15 W 15 W
25Z6	25.	125 123	4 6	15 W 15 W
26	1.4	12	A34	85 Z
26A6	25.	A2347	AC156	13 WY
26A7	25.	C128	367 AC456	25 Z 25 Z
26C6	25.	237	AC14 5 6	18 WY 80 X 80 X
26D6	25.	AC1237 A2347	AC456 AC16	32 WY 40 V
26Z5	25.	123 127	4 8	25 VW 25 VW
27	2.5	123	A45	18 WY
28D7	25.	126	B457 B358	20 V 20 V
28Z5	25.	123	5 6	18 W 18 W
30	2.0	12	A34	35 YZ
31	2.0	12	A34	68 Z
32	2.0	12	349	40 XZ
32L7	35.	123 127	456 8	25 Z 25 VW
33	2.0	12	C345	30 WZ
34	2.0	12	349	22 XZ
35	2.5	123	459	75 WZ
35A5	35.	123	456	13 WZ
35Y4	35.	123	4	13 W
35Z3	35.	123	4	13 W
35Z4	35.	123	6	13 W
35Z6	35.	125 123	4 6	13 W 13 W

58	2.5	A1236	459	13 WY
59	2.5	1237	456	65 W
70A7	70.	123 12	456 7	35 VW 20 UW
70L7	70.	128 127	456 3	35 VW 15 W
71A	5.0	12	A34	42 Z
75	6.3	A123	A49 5 6	50 WX 80 X 80 X
76	6.3	123	A45	16 WY
77	6.3	A1236	459	25 WY
78	6.3	A1236	459	15 WY
79	6.3	126	A45 A39	28 WY 28 WY
80	5.0	12	3 4	18 W 18 W
81	7.5	12	3	20 W
82	2.5	12	3 4	13 W 13 W
83	5.0	12	3 4	12 W 12 W
83V	5.0	12	3 4	14 W 14 W
84	6.3	123	4	16 W
6Z4			5	16 W
85	6.3	123	A49 5 6	16 WY 80 X 80 X
89	6.3	1236	459	25 WZ
99	3.0	23	AC14	55 Y
117L7	100.	123	A456	50 VW
117M7		127	8	25 VW
117N7	100.	128 12	A456 3	50 VW 25 UW

117P7	100.	128 12	A456 3	50 VW 25 UW
117Z3	100.	236	5	25 VW
117Z4	100.	123	6	25 VW
117Z6	100.	125 123	4 6	25 VW 25 VW
182-B	5.0	12	A34	40 W
482-B				
TS383	6.3	23	1	52 W
TS385	12.6	23	1	43 W
483	5.0	12	A34	32 W
485	3.0	123	A45	25 YZ
807	6.3	123	AB459	25 W
884	6.3	123	A46	15 W
885	2.5	123	A45	15 W
950	2.0	12	C345	25 YZ
954	6.3	A1235	AB469	50 YZ
955	6.3	A123	A45	22 WY
956	6.3	A1235	AB469	35 YZ
957	1.4	12	A45	60 YZ
958-A	1.4	12	A45	35 YZ
959	1.4	A125	AB469	50 YZ
FM1000	6.3	A12356	AC478	40 WY
1005	6.3	38	4 6	25 VW 25 VW
1222	6.3	C278	145	25 W
1231	6.3	A1237	456	15 WY
1233	25.	234 238	A17 AC56	15 WY 15 WY
1273	6.3	A1237	456	22 WY
1280	12.6	A1237	456	22 WY
1284	12.6	A1237	456	45 WZ
1293	1.4	12	A46	65 Y
1625	12.6	123	AB569	25 W
1626	12.6	123	A46	22 WZ

5679	6.3	123 124	6 5	20 XZ 20 XZ
5686	6.3	123	B569	47 W
5687	12.6	123 128	A45 A69	28 W 28 W
		May Show Cathode	Leakage	
5690	6.3	BC157 BC238	4 6	14 W 14 W
5694	6.3	123 127	AC68 A45	63 WZ 63 WZ
5696	6.3	C1234	A67	18 V
		Non-conducting		
		Hold W and push 7 of circuit D		
		Conducting		
5755	12.6	125 129	AC34 A78	96 V 96 V
5763	6.3	1239	A468	32 W
5812	6.3	237	AC156	27 W
5824	25.	123	456	18 W
5842	6.3	368	A49	25 Z
5844	6.3	234	A16 AC57	28 V 28 V
5847	6.3	C136	B478	38 Z
5879	6.3	A123	AC479	33 XZ
5910	1.4	14	AB267	60 XY
5915	6.3	AC1234	567*	24 WY
5920	6.3	A234	AC57 A16	32 V 32 V
5963	12.6	123 127	A45 A89	23 YZ 23 YZ
5964	6.3	234	AC57 16	18 YZ 18 YZ

1629	12.6	123	A45 C456	20 WX 0 W
	Visual Test			
1631	12.6	123	456	25 W
1632	12.6	123	456	35 VW
1633	25.	234 238	A17 AC56	15 WY 15 WY
1635	6.3	123	A45 AC68	40 WY 40 WY
1654	1.4	14	9	60 XZ
1851	6.3	A1236	459	15 WY
2050	6.3	1268	AC34	24 VW
		Non-conducting		
		Hold VW down and push button 3 under D		
		Conducting		
2051	6.3	1268	AC34	24 VW
		Non-conducting		
		Hold VW down and push button 3 under D		
		Conducting		
5516	6.3	12	AB469	37 W
5556	5.0	12	A34	62 WZ
5590	6.3	234	AC156	33 V
5591	6.3	234	AC156	34 V
5603	6.3	124	A358	21 W
CK5608	2.5	12	A45 AC37	96 W 16 W
5608A	2.5	126	A37 A45	65 WZ 65 WZ
5610	6.3	237	A13	100 W
5618	6.3	B134	AB267	45 W
5656	6.3	126	AB457 B349	30 WZ 30 WZ
5662	6.3	235	4	22 V
5663	6.3	C123	A47	20 V
		Non-conducting		
		Hold V and push 7 of circuit D		
		Conducting		

6004	5.0	13	9	18 W
		Top cap section 1		
		13	9	18 W
		Top cap section 2		
6012	6.3	124	A67	15 W
		Non-conducting		
		Hold W and push 7 of circuit D		
		Conducting		
		May Show Leakage at K, G		
6028	19.	234	AC156	32 V
6080	6.3	234 238	A17 AC56	16 W 16 W
6082	25.	234 238	A17 AC56	15 W 15 W
6084	6.3	A1237	AB468	48 YZ
6085	12.6	127 123	A89 A45	25 YZ 25 YZ
6145	6.3	12378	456	50 W
6146	6.3	125	AB469	17 W
6159	25.	125	AB469	17 W
6194	6.3	A1249	AB358	48 W
6197	6.3	A1249	AB358	48 W
6203	6.3	129	4 6	16 W 16 W
6211	12.6	123 127	A45 A89	17 YZ 17 YZ
6215	1.4	12	9	83 YZ
6216	6.3	123	A459	20 W
6267	6.3	A1237	AB468	28 XZ
6293	6.3	125	AB469	18 W
6350	12.6	A125 A129	AC34 AC78	60 Z 60 Z
6360	12.6	125	AC489 AC379	38 W 38 W
6386	6.3	B456 467	A13 A89	19 YZ 19 YZ

6417	12.6	1239	A468	32	W
6463	12.6	125	AC34	22	V
		129	AC78	22	V
6550	6.3	123	456	20	W
6681	12.6	A123	A45	35	WX
		A127	A89	35	WX
6686	6.3	A1236	B579	90	W
6687	6.3	C1237	AC456	85	V
		A2347	AC156	85	V
6688	6.3	A1257	B369	15	WY
6689	6.3	A1236	AB458	30	V
6829	12.6	123	A45	19	V
		127	A89	19	V
6883	12.6	125	AB469	17	W
6893	12.6	125	AB469	17	W
6919	6.3	235	7	60	X
		C123	4	60	X
6939	12.6	125	AC489	35	Z
			AC379	35	Z
6973	6.3	129	B346	30	W
7027	6.3	123	456	23	W
7036	6.3	AC1234	567*	26	WY
7054	12.6	A1234	B579	28	WZ
7055	12.6	235	7	65	X
		C123	4	65	X
7056	12.6	AC1234	567*	16	WY
7057	12.6	A123	A45	41	V
		A127	A89	41	V
7058	12.6	A123	A45	35	WX
		A127	A89	35	WX
7059	12.6	A125	C389*	24	WY
		127	A46	42	Z
7060	12.6	A127	AC689*	50	WZ
		A123	A45	58	V
7061	12.6	129	B346	35	W

7868†	6.3	123	AB456	32	W
7895†	6.3	A123	A45	35	V
7898	12.6	127	A89	30	V
	12.6	123	A45	30	V
7984†	12.6	AC1	257	20	W
7905	6.3	469	AB358	38	Z
8056†	6.3	A123	A45	58	X
8058†	6.3	125	AC79	35	V
Connect ground ring on socket to octal socket pin 1					
8106	Set line to 80% mark				
	12.6	A125	C349	28	V
9001	6.3	A234	AC156	50	YZ
9002	6.3	234	A56	25	YZ
9003	6.3	A234	AC156	15	WY
9004	6.3	125	4	60	X
9005	3.3	124	5	65	X
9006	6.3	234	1	70	X

### Subminiature Tube Chart Data

1AC5	1.4	58	B347	44	XY
1AD4	1.4	35	124	20	VX
1AD5	1.4	58	B347	30	VX
1AG4	1.4	35	124	20	XZ
1AG5	1.4	46	125	70	XY
			3	85	X
1AH4	1.4	35	124	83	Y
1AJ5	1.4	46	125	90	XY
			3	71	X
1AK4	1.4	35	124	94	X
1AK5	1.4	47	125	100	XY
			3	75	X
1C8	1.4	58	A247	85	XY
			AC37	84	X
First test OK above 50					

7062	12.6	A127	A89	80	Z
		A123	A45	80	Z
7119	12.6	A128	A69	34	W
		A123	A45	34	W
7137	6.3	237	AC14	17	YZ
7167	Set line to 80% mark				
	12.6	A234	AC156	16	YZ
7189	6.3	123	B569	28	W
7199	6.3	A129	C358*	18	WY
		127	A46	18	YZ
7212	6.3	125	AB469	17	W
7233	6.3	127	AC56	36	Y
7247	12.6	A127	A89	35	WX
	"	123	A45	17	WY
7258	12.6	A127	AC689*	54	YZ
		A123	A45	30	YZ
7355	6.3	126	C348	21	W
7360	6.3	1234	AB578	60	XY
		1234	AB569	60	XY
7408	6.3	123	456	35	W
7543	6.3	2347	AC156	18	XZ
7551	12.6	1249	AB358	25	W
7558	6.3	1249	AB358	25	W
7581	6.3	123	456	25	W
7586†	6.3	A123	A45	22	V
7587†	6.3	A123	AB459	28	V
7591	6.3	126	458	32	W
7687	6.3	A125	C389*	26	WY
	"	127	A46	26	YZ
7695	50.	129	C468	42	VW
7701	Set line to 80% mark				
	12.6	123	AC589	21	WZ
7716	Set line to 80% mark				
	12.6	A128	679	43	Z
	"	A124	A35	26	XZ
7867	6.3	124	AB369	34	VW

1D3	1.4	58	A46	85	VW
1E8	See 1C8				
1S6	1.4	58	B146	63	XY
			2	90	X
1T6	See 1S6				
1V5	1.4	58	B347	46	XY
1V6	1.4	47	125	70	XZ
			AC36	48	XZ
1W5	1.4	58	B347	97	Y
XFG-1	1.4	A35	A14	60	XY
2B5	2.5	58	AC24	46	YZ
			AC16	56	YZ
2E31	1.4	35	124	100	X
2E32	See 2E31				
2E35	1.4	35	124	85	X
2E36	See 2E35				
2E41	See 1AG5				
2E42	See 2E41				
2G21	1.4	47	A256	100	XY
			A13	88	X
First test OK above 20					
2G22	See 2G21				
3Z2	3.0	37	9	75	V
2169					
-- H H G <sub>i</sub> K P •					
6AD4	6.3	C245	A13	62	X
6AD4	6.3	125	A46	62	X
Regular base					
6AK4	6.3	125	A46	45	Z
6AZ6	6.3	125	7	21	V
		128	3	21	V
- G <sup>2</sup> H H G <sub>i</sub> K P •					
6BA5	6.3	C245	A136	20	VX
6BA5	6.3	124	A567	20	VX
Regular base					



6BF7	6.3	125 128	A47 AC36	32 V 32 V
6BG7	See 6BF7			
-- H H G <sub>1</sub> K P •				
6K4	6.3	C245	A13	25 V
RK61	1.4	24	A13	67 X
CK502AX	See 2E35			
CK503AX	1.4	35	124	80 X
CK510AX	.75	47	AC1236 AB1356	100 X 100 X
Both sections OK above 40				
CK512AX	.75	35	124	100 X
This type OK above 20				
CK522AX	See 6088			
CK525AX	1.4	35	124	90 X
CK526AX	1.4	35	124	90 X
CK527AX	1.4	35	124	90 X
This type OK above 50				
CK528AX	1.4	35	124	92 X
CK529AX	1.4	35	124	100 X
CK531DX	1.4	35	124	84 X
CK532DX	1.4	35	124	85 X
CK533AX	1.4	35	124	100 X
This type OK above 50				
CK534AX	.75	35	124	95 X
This type OK above 15				
CK535AV	See CK529AX			
CK536AX	1.4	A35	124	85 XY
CK538DX	See CK549DX			
CK539DX	1.4	35	124	88 X
CK542DX	1.4	35	124	81 X
CK546DX	1.4	35	124	93 X
CK547DX	1.4	35	124	95 X
CK548DX	1.4	35	124	87 X

- G <sup>2</sup> H H G <sub>1</sub> K P •				
5638	6.3	C245	A136	20 XZ
5639	6.3	123	A567	60 VW
5640	6.3	123	A567	46 VW
5641	6.3	125	3	33 VW
--- H -- H •				
5642	1.4	14	9	73 V
5643	6.3	127	AC56	20 V
Non-conducting Hold V and push 3 under circuit D Conducting May show leakage at G <sub>1</sub>				
-- H G <sub>1</sub> H K P •				
5645	6.3	C235	A14	40 Y
-- H G <sub>1</sub> H K P •				
5646	6.3	C235	A14	63 X
--- K H H P •				
5647	6.3	234	1	18 YZ
5672	1.4	35	124	30 YZ
5676	1.4	A24	A13	22 WY
5677	1.4	24	A13	48 XY
5678	1.4	35	124	53 XY
5697	.75	34	A17	100 X
5702	6.3	3456	127	60 Z
5703	6.3	346	A15	20 YZ
5704	6.3	234	1	20 YZ
5718	6.3	125	A46	25 V
5719	6.3	125	A46	40 XY
5744	6.3	235	A14	20 VX
5784	6.3	A3456	127	53 YZ
5785	1.4	67	1	100 X
5797	25.	C358	AB267	30 XZ
5798	25.	C158 C258	AC36 A47	34 XY 34 XY

CK549DX	.75	A35	124	100 X
This type OK above 10				
CK551AXA	See 1AG5			
CK553AXA	See 2E31			
CK556AX	See 5676			
CK568AX	See 5677			
CK569AX	See 5678			
CK570AX	See 5697			
CK571AX	1.4	34	127	95 X
This type OK above 25				
CK573AX	See 6029			
CK574AX	.75	35	124	100 X
This type OK above 20				
CK605CX	See 5702			
CK606BX	See 5704			
CK608CX	See 5703			
CK619CX	See 5744			
CK628	See 6247			
C-1112	6.3	178	A26	33 V
C-1125	See 6169			
1203	6.3	125 128	A47 AC36	48 V 48 V
1247	.75	58	9	70 X
2192	2.5	67	124	74 Z
- G <sup>2</sup> H H G <sub>1</sub> G <sub>2</sub> K •				
5633	6.3	C145	B369	50 V
- G <sup>2</sup> H H G <sub>1</sub> G <sub>2</sub> K •				
5634	6.3	C145	B369	46 V
5635	6.3	124	AC35 AC67	43 Y 43 Y
5636	6.3	1238	A567	15 WX
-- H H G <sub>1</sub> P •				
5637	6.3	C245	A13	36 XY

-- F - P - F + •				
5799	1.4	15	3	90 X
-- G <sub>1</sub> F G <sub>2</sub> F + P •				
5800	1.4	24	135	100 X
This type OK above 45				
--- F G F + P •				
5801	1.4	24	A13	100 X
This type OK above 40				
--- F G F + P •				
5802	1.4	A24	A13	100 X
This type OK above 60				
--- F G F + P •				
5803	1.4	A24	A13	100 X
This type OK above 60				
--- F G F + P •				
5828	1.4	24	A13	100 X
5829	6.3	357 C2345	6 1	16 XZ 16 XZ
5840	6.3	123	A567	35 V
5851	1.4	ABC567	124	28 YZ
5854	1.4	35	124	78 X
5875	1.4	35	124	31 YZ
5886	1.4	34	127	100 X
This type OK above 35				
5889	1.4	35	129	95 X
This type OK above 25				
5896	6.3	123 127	6 5	17 YZ 17 YZ
5897	See 5718			
5898	See 5719			
5899	6.3	123	A567	34 V
5900	See 5899			
5901	See 5840			
5902	6.3	123	A567	15 WZ
5903	25.	123 127	6 5	18 YZ 18 YZ

5904	25.	125	A46	51 VW
5905	25.	123	A567	39 V
5906	25.	123	A567	34 V
5907	25.	123	A567	65 Z
5908	25.	1238	A567	42 V
5916	25.	1238	A567	56 WZ
5967	1.4	35	AC24 A16	40 Y 40 Y
5969	1.4	46	C257 AB138	57 Z 57 Z
5971	1.4	35	A14	18 XZ
5972	1.4	35	124	65 Y
5975	6.3	C245	A13	25 V
5977	6.3	125	A46	35 Z
5987	6.3	125	A46	32 Z
5995	6.3	345	1	33 VW
6021	6.3	125 128	A47 AC36	24 V 24 V
6026	6.3	C158	A47	60 VW
May show fil. to cathode leakage				
6029	1.4	24	A13	78 Z
6050	1.4	24	A13	30 YZ
6052	See 5896			
6053	See 5903			
6055	See 5904			

6056	See 5907			
6088	1.4	35	124	90 X
6110	6.3	123 127	6 5	39 Y 39 Y
6111	6.3	125 128	A47 AC36	18 YZ 18 YZ
6112	6.3	125 128	A47 AC36	36 XY 36 XY
6147	2.5	67	124	83 Z
6148	See 5702			
6149	See 5703			
6150	See 5784			
6151	See 5744			
6152	6.3	C245	A13	38 Z
6153	6.3	A1234	A567	77 Z
6154	6.3	A1234	A567	77 Z
6169	6.3	125	A34	47 Z
May show fil. to cathode leakage				
6184	6.3	125 128	7 3	20 V 20 V
6193	6.3	125 128	A47 AC36	23 V 23 V
6195	2.5	67	124	32 WZ
6205	6.3	1236	A567	35 V
6206	6.3	1238	A567	35 V
6247	6.3	125	A46	26 YZ

CIRCUIT

TUBE	FIL.	D	E	PLATE TEST
6SL7	6.3	A234 A238	A17 AC56	35WX 35WX
6X5	6.3	123	4 6	16W 16W

7581

COLETRONICS SERVICE INC.  
Mercury/Jackson Tube Data Service  
1744 Rockaway Ave.  
Hewlett, L. I., N. Y. 11557

August 1975

Model 648  
NEW TUBE RELEASES  
for use with  
7541 Data Book

TUBE TYPE	FIL	D	CIRCUIT E	PLATE TEST
1F1	1.4	14	AB267	24XZ
1F2	1.4	14	AB267	40YZ
1F3	1.4	14	AB267	40YZ
1FD1	1.4	14	C356	52XZ
"			2	100X
1FD9	1.4	14	C356	32XZ
"			2	100X
1P1	3.0	14	AB267	18YZ
1P10	2.5	14	B236	35V
1P11	3.0	14	AB267	18YZ
6F10	6.3	A1246	A358	15WY

CORRECTIONS

6DQ3	6.3	C5	3	13W
6DU3	6.3	C5	3	13W