

JACKSON



Radio Testing Equipment

SPECIAL TUBE DATA

MODEL 648

THE JACKSON ELECTRICAL INSTRUMENT CO.

DAYTON, OHIO, U. S. A.

Litho in U.S.A.

TM Reg. U. S. Pat. Off.

SPECIAL TUBE DATA

MODEL 648

SUBMINIATURE TYPES:

Subminiature tubes of the flat press type are inserted in the seven pin subminiature socket with the red dot on the tube to the right to correspond with the red dot on the tester. The pins of the tube are inserted into the socket positions of like number. The socket positions number as follows left to right. (7654321•) Tubes with a base pin arrangement of an irregular nature are tested by inserting the pins according to the notation listed above the test setting for that type. The notation refers only to the seven pin flat type socket.

Tubes of the eight pin circular base arrangement are used with the eight pin circular subminiature socket. To test tubes of this type that have less than eight pins, the remaining pins are inserted into socket positions of like number of the round subminiature socket. This socket numbers 1 to 8 starting at the key and progressing in a counterclockwise direction.

When testing subminiature tubes be sure that the correct filament voltage and chart listing is set up before inserting the tube. Be sure to press only the correct test buttons listed, as an overload will usually damage tubes of the subminiature type whose ratings are necessarily very low.

The testing procedure on subminiature and other types is carried out exactly as listed in the operating instructions booklet furnished with the instrument.

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 3	70 XY 85 X
1C8	1.4	58	A247 AC37	85 XY 84 X
First test OK above 50				
1D3	1.4	58	A46	85 VW
1E8	See 1C8			
1S6	1.4	58	B146 2	63 XY 90 X
1T6	See 1S6			
1V5	1.4	58	B347	46 XY
1W5	1.4	58	B347	97 Y
2B5	2.5	58	AC24 AC16	46 YZ 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 A13	100 XY 88 X
First test OK above 20				
2G22	See 2G21			
3Z2	3.3	37	9	75 V
2169				
-- H H G ₁ 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	125 128	7 3	21 V 21 V
- G ₂ H H G ₁ 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 ₁ 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	100 X
			AB1356	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	1.4	35	124	95 X
This type OK above 30				
CK535AX 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
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	A47	48 V
		128	AC36	48 V
1247	.75	58	9	70 X
2192	2.5	67	124	74 Z
		- G ₂ H H G ₁ G ₃ K •		
5633	6.3	C145	B369	50 V
		- G ₂ H H G ₁ G ₃ K •		
5634	6.3	C145	B369	46 V
5635	6.3	124	AC35	43 Y
			AC67	43 Y
5636	6.3	1238	A567	15 WX
		- - H H G ₁ P •		
5637	6.3	C245	A13	36 XY
		- G ₂ H H G ₁ 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 G₁

		- - H G ₁ H K P •		
5645	6.3	C235	A14	40 Y
		- - H G ₁ 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	AC36	34 XY
		C258	A47	34 XY
		- - F - P - F ⁺ •		
5799	1.4	15	3	90 X

5800	1.4	-- G ₁ FG ₂ F+P • 24 This type OK above 45	135	100 X
5801	1.4	--- FG F+P • 24 This type OK above 40	A13	100 X
5802	1.4	--- FG F+P • A24 This type OK above 60	A13	100 X
5803	1.4	--- FG F+P • A24 This type OK above 60	A13	100 X
5828	1.4	--- FG F+P • 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 This type OK above 35	127	100 X
5889	1.4	35 This type OK above 25	129	95 X
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 A8138	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			
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
6148	See 5702			
6149	See 5703			
6150	See 5784			
6151	See 5744			
6152	6.3	C245	A13	38 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	1238	A567	35 V
6206	6.3	1238	A567	35 V
6247	6.3	125	A46	26 YZ

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