

MINISTRY OF SUPPLY (S.R.D.E.)

Specification MOS/CV1935/Issue 4 Dated 4.11.46 To be read in conjunction with K1001	<u>SECURITY</u>	
	<u>Specification</u> Restricted	<u>Valve</u> Unclassified

→ indicates a change ←

<u>TYPE OF VALVE:-</u> R.F. Pentode		<u>MARKING</u>	
<u>CATHODE:-</u> Indirectly heated		See K1001/4	
<u>ENVELOPE:-</u> Glass-unnmetallised		Additional marking :-	
<u>PROTOTYPE:-</u> 6J7G		6J7G	
<u>RATING</u>		Note	<u>BASE</u> IO
Heater volts	6.3		Pin
Heater current (A)	0.3		1
Max. anode volts	300		2
Max. screen volts	125		3
Max. anode dissipation (W)	0.75		4
Max. screen dissipation (W)	0.1		5
Anode current (mA)	2.0	A	6
Screen current (mA)	0.5	A	7
Mutual conductance (mA/V)	1.25	A	8
<u>CAPACITANCES (pF)</u>			T.C
Cag	0.0035	B	
Cae	12.0	B	<u>TOP CAP</u>
Cge	4.6	B	See K1001/AI/D5.2
<u>NOTES</u>		<u>DIMENSIONS</u>	
A. At $V_a = 250V$, $V_{g2} = 100V$, $V_{g1} = -3V$, $V_{g3} = 0$		See K1001/AI/D1	
B. Taken with conventional shield.		Dimension	Min. Max.
		A mm	105 114
		B mm	- 40

To be performed in addition to those applicable in K1001

	Test conditions				Test	Limits		No. tested
						Min.	Max.	
a	See K1001/AIII				Capacitances (pF)			
	Links to H.P.	Links to L.P.	Links to E		(i) Cag	-	0.007	T.A.
	3	TC1	1,2,4,5,6,7,8,9,10, TC2					
	3	1,2,4,5,7,8	TC1, TC2, 6,9,10					
	TC1	1,2,4,5,7,8	3,6,9,10, TC2		(iii) Cge	3.8	5.4	6 per week
b	Vh	Va	Vg2	Vg1	Ih (A)	0.27	0.33	.00% or S
	6.3	0	0	0				
c	6.3	250	100	-3	Ia (mA)	1.3	2.9	100%
d	6.3	250	100	-3	Ig2 (mA)	-	1.1	100% or S
e	6.3	250	100	-3	gm (mA/V)	0.9	1.6	100%
f	6.3	250	100	-3	Rev Ig (uA)	-	1.0	100%
g	6.3	250	100	-8	Ia tail (uA)	-	150	100%