

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

Specification MOS/CV1932/Issue 6	<u>SECURITY</u>	
Dated:- 4.9.46	<u>Specification</u>	<u>Valve</u>
To be read in conjunction with K1001	Restricted	Unclassified

— indicates a change

<u>TYPE OF VALVE:-</u> Detector amplifier triode			<u>MARKING</u>		
<u>CATHODE:-</u> Indirectly heated			See K1001/4		
<u>ENVELOPE:-</u> Glass - unmetallised			Additional marking :- 6J5G		
<u>PROTOTYPE:-</u> 6J5G					
<u>RATING</u>		Note	<u>BASE</u> See K1001/A1V/D2 IO M Dimension (ii) applies		
Heater volts	6.3	A A A	Pin	Electrode	
Heater current (A)	0.3		1	No connection	
Max. anode volts	300		2	Heater	
Max. anode dissipation (W)	2.5		3	Anode	
Anode current (mA)	9.0		4	Pin omitted	
Mutual conductance (mA/V)	2.6		5	Grid	
Anode impedance (ohms)	7,700		6	Pin omitted	
Max. permissible D.C. cathode current (mA)	20		7	Heater	
			8	Cathode	
<u>CAPACITANCES (pF)</u>				<u>DIMENSIONS</u>	
Cag	4.0		See K1001/AI/D1		
Cae	4.5				
Cge	3.8				
<u>NOTES</u>					
A. At $V_a = 250V$, $V_g = -8V$			A	mm	- 108
			B	mm	- 40

TESTS

To be performed in addition to those applicable in K1001

	Test conditions			Test	Limits		No. tested
					Min.	Max.	
a	See K1001/AIII			<u>Capacitances (pF)</u>			
	Links to H.P.	Links to L.P.	Links to E				
	3	1,2,7,8	4,5,6,9,10,TC1,TC2	(i) Cae	3.0	6.0	6
	5	1,2,7,8	3,4,6,9,10,TC1,TC2	(ii) Cge	2.6	5.0	per
	3	5	1,2,4,6,7,8,9,10,TC1,TC2	(iii) Cag	3.2	4.8	week
b	Vh	Vg	Va				
	6.3	0	0	Ih (A)	0.27	0.33	100% or S
c	6.3	-8	250	Ia (mA)	5.5	12.5	100%
d	6.3	-8	250	gm (mA/V)	2.0	3.2	100%
e	6.3	-8	250	Rev Ig (uA)	-	1.0	100%
f	6.3	-15	250	Ia (mA)	-	1.25	100%