

Specification MOS/CV581/Issue 3 4 Dated 8.3.46. To be read in conjunction with K1001	<table border="1"> <tr> <th colspan="2"><u>SECURITY</u></th></tr> <tr> <td><u>Specification</u> Restricted</td><td><u>Valve</u> Restricted</td></tr> </table>	<u>SECURITY</u>		<u>Specification</u> Restricted	<u>Valve</u> Restricted
<u>SECURITY</u>					
<u>Specification</u> Restricted	<u>Valve</u> Restricted				

—————> 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:-		
<u>PROTOTYPE:-</u> 6C5G				6C5G		
<u>RATING</u>			Note	See K1001/A1V/D2		
				<u>BASE</u> M Dimension I O (ii) applies		
Heater voltage	(V)	6.3	A A A	<u>Pin</u>	<u>Electrode</u>	
Heater current	(A)	0.3		1	Internal Shield	
Max. Anode volts	(V)	300		2	Heater	
Max. Anode dissipation	(W)	2.5		3	Anode	
Anode current	(mA)	8.0		4	Pin omitted	
Mutual conductance	(mA/V)	2.0		5	Control grid	
Anode impedance	(Ω)	10,000		6	Pin omitted	
				7	Heater	
<u>CAPACITANCES (pF)</u>				8	Cathode	
C _{ag}		2.2		<u>DIMENSIONS</u>		
C _{ae}		12.0		See K1001/A1/D1		
C _{ge}		4.4				
<u>NOTES</u>				<u>Dimensions</u>	<u>Min.</u>	<u>Max.</u>
				A mm	-	108
				B mm	-	40
A. Measured at $V_a = 250$, $V_g = -8$						

TESTS

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.				
	3	5	1,2,4,6, 7,8,9,10, TC1,TC2.	(i) Cag	2.0	2.4	6
	3	1,2,7,8.	4,5,6,9, 10,TC1, TC2.	(ii) Cae	9.0	15.0	per
	5	1,2,7,8.	3,4,6,9, 10,TC1, TC2.	(iii) Cge	3.6	5.2	week
b	Vh	Va	Vg				100%
	6.3	-	-	Ih (A)	0.27	0.33	or S
c	6.3	250	-8	Ia (mA)	5.5	11.5	100%
d	6.3	250	-8	gm (mA/V)	1.65	2.35	100%
e	6.3	250	-8	Rev. Ig (uA)	-	1.0	100%
f	6.3	250	-15	Ia (mA)	-	1.1	10%