

Specification MAP/CV1584/Issue 4 Dated 10.3.47. To be read in conjunction with K1001.	<u>SECURITY</u>	
	<u>Specification</u> RESTRICTED	<u>Valve</u> RESTRICTED

—————> Indicates a change

<u>TYPE OF VALVE</u> - Triode		<u>MARKING</u> See K1001/4		
<u>CATHODE</u> - Indirectly heated				
<u>ENVELOPE</u> - Glass - metallised				
<u>RATING</u>		<u>BASE</u> B5		
		Pin      Electrode		
Heater Voltage (V)	4.0	1	Anode	
Heater Current (A)	1.0	2	Grid	
Max. Anode Voltage (V)	1400	3	Heater	
Max. Anode Dissipation (W)	3.5	4	Heater	
Max. Cathode Current (mA)	25.0	5	Cathode and metallising	
Max. Grid Resistance (MΩ)	2.0			
Max. Peak Cathode Current (mA)	50.0	<u>DIMENSIONS</u> See K1001/AI/D1		
Mutual Conductance (mA/V)	3.1	Dimension      Min.      Max.		
Amplification Factor	45.0	A	(mm)	-      117
Anode Impedance (Ω)	4,500	B	(mm)	-      45
<u>NOTES</u>				
A. $V_a = 200V.$ , $V_g = -2.5V.$ , $I_a = 5.4 \text{ mA.}$				

To be performed in addition to those applicable in K1001.

	Test Conditions				Test	Limits		No. Tested
	Vh	Va	Vg	Ia(mA)		Min.	Max.	
a	4.0	0	0	0	Ih (A)	0.9	1.1	100% or S
b	4.0	200	-2.5	-	Ia (mA)	3.8	7.0	100%
c	4.0	200	-2.5	-	gm (mA/V)	2.5	3.7	100%
		Peak grid swing $\pm 0.5V$ . max.						
d	4.0	200	-2.5	-	Reverse Ig ( $\mu A$ )	-	1.0	100%
e	4.0	200	-2.5	-	$\mu$	38.0	52.0	100% or S
f	4.0	14.00	-	2.0	Valve to be run for one minute during which period there shall be no signs of softness or breakdown.			100%