

Specification MAP/CV1105/Issue 4 Dated 7.1.46. 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>CATHODE:-</u> Indirectly heated <u>ENVELOPE:-</u> Glass - unmetallised <u>PROTOTYPE:-</u> ML6			<u>MARKING</u> See K1001/4		
<u>RATING</u>		<u>Note</u>	<u>BASE</u> B5 Ceramic		
Heater Voltage (V)	6.0		A	Pin	Electrode
Heater Current (A)	0.7	B C C	1	Anode	
Max. Anode Voltage (V)	250		2	Grid	
Anode Current (mA)	25		3	Heater	
Mutual Conductance (mA/V)	3.8		4	Heater	
<u>CAPACITANCES (pF)</u>			5	Cathode	
C _{ae}	3.0		<u>DIMENSIONS</u> See K1001/AT/D1		
C _{ge}	5.0		<u>Dimension</u>	<u>Min.</u>	<u>Max</u>
C _{ag}	4+1		A (mm)	108	120
			B (mm)	-	46
			C (mm)	-	36

NOTES

- A:- Valve shall be capable of satisfactory operation over a heater voltage range of 5.9V. to 7.8V.
- B:- Valve shall be capable of withstanding 1500V. R.M.S. between Cathode and Anode, with the heater cold and at a normal atmospheric pressure.
- C:- At V_a = 200, V_g = -8.

To be performed in addition to those applicable in K1001

	Test Conditions			Test	Limits		No. Tested
					Min.	Max.	
a	See K1001/AIII			<u>CAPACITANCES</u> (pF)			6 per week
	Links to H.P.	Links to L.P.	Links to E.				
	1	3,4,5	2,6,7,8, 9,10, TC1,TC2				
	2	3,4,5	1,6,7,8, 9,10, TC1,TC2.				
	1	2	3,4,5,6, 7,8,9,10 TC1,TC2	3. Cag	3.5	4.7	
b	Vh	Va	Vg	Ih (A)	0.63	0.77	100% or S
	6.0	0	0				
c	6.0	200	-8	Ia (mA)	17	33	100%
d	6.0	200	-8	gm (mA/V)	2.85	4.75	100%
	Peak grid swing ± 1.0 V. max.						
e	6.0	200	-8	Reverse Ig (μ A)	-	2.0	100%
f	6.0	Strapped 50V.D.C applied for not longer than 10 seconds.		Ic (mA)	90	-	100%
g	1500V R.M.S. at a fre- quency of 50 c.p.s. applied between anode and cathode through a resistance of 0.5M Ω			Insulation Breakdown Test.			T.A.