

Specification MAP/CV1105/Issue 4 Dated 7.1.46. To be read in conjunction with K1001.	<table> <tr> <th colspan="2">SECURITY</th></tr> <tr> <td>Specification</td><td>Valve</td></tr> <tr> <td>RESTRICTED</td><td>RESTRICTED</td></tr> </table>	SECURITY		Specification	Valve	RESTRICTED	RESTRICTED
SECURITY							
Specification	Valve						
RESTRICTED	RESTRICTED						

—→ Indicates a change

<u>TYPE OF VALVE:-</u> Triode			<u>MARKING</u>		
<u>CATHODE:-</u> Indirectly heated			See K1001/4		
<u>ENVELOPE:-</u> Glass - unmetallised					
<u>PROTOTYPE:-</u> ML6					
<u>RATING</u>		Note	<u>BASE</u>		
			B5 Ceramic		
Heater Voltage (V)		6.0	A	Pin	Electrode
Heater Current (A)		0.7			
Max. Anode Voltage (V)		250	B	1	Anode
Anode Current (mA)		25	C	2	Grid
Mutual Conductance (mA/V)		3.8	C	3	Heater
				4	Heater
				5	Cathode
<u>CAPACITANCES (pF)</u>				<u>DIMENSIONS</u>	
C _{ae}		3.0		See K1001/AT/D1	
C _{ge}		5.0			
C _{ag}		4.1			

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			CAPACITANCES (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		1. Cae	2.2 3.5	
	2	3,4,5	1,6,7,8, 9,10, TC1,TC2.		2. Cge	4.2 5.7	
	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 frequency of 50 c.p.s. applied between anode and cathode through a resistance of 0.5M Ω			Insulation Breakdown Test.			T.A.