

Specification MAP/CV1122/Issue 9 Dated 5.3.47. To be read in conjunction with K1001.	<table> <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
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—————> 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> - 41MXP							
<u>RATING</u>			Note	<u>BASE</u>			
				B5			
Heater Voltage (V)			4.0	Pin	Electrode		
Heater Current (A)			1.1		Anode		
Max. Anode Voltage (V)			200		Grid		
Max. Anode Dissipation (W)			8.0		Heater		
Mutual Conductance (mA/V)			7.5		Heater		
Amplification Factor			11.2	5	Cathode		
Anode Impedance (Ω)			1500				
Anode Current (mA)			40				
Optimum Load (Ω)			3000				
<u>NOTES</u>				<u>DIMENSIONS</u>			
A. $V_a = 100V.$, $V_g = 0$				See K1001/AI/D1			
B. $V_a = 200V.$, $V_g = -11.5V.$							

To be performed in addition to those applicable in K1001.

	Test Conditions			Test	Limits		No. Tested
	Vh	Va	Vg		Min.	Max.	
a	4.0	0	0	Ih (A)	1.0	1.2	100% or S
b	4.0	100	0	Ia (mA)	33.0	65.0	100%
c	4.0	100	0	gm (mA/V)	6.0	9.0	100%
		Peak grid swing $\pm 1.0V$. max.					
d	4.0	100	0	μ	9.6	12.9	100% or S
e	4.0	200	Obtained by means of bias resistor of 310Ω	Ia (mA)	30.0	42.5	100%
f	4.0	200	As in test 'e'	Reverse Ig (μA)	-	3.0	100%