

Specification MAP/CV1122/Issue 9 Dated 5.3.47. 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>CATHODE</u> - Indirectly heated <u>ENVELOPE</u> - Glass-ummetallised <u>PROTOTYPE</u> - 41MPX		<u>MARKING</u> See K1001/4			
<u>RATING</u>		<u>BASE</u>			
		B5			
		Note			
Heater Voltage (V)	4.0	Pin	Electrode		
Heater Current (A)	1.1	1	Anode		
Max. Anode Voltage (V)	200	2	Grid		
Max. Anode Dissipation (W)	8.0	3	Heater		
Mutual Conductance (mA/V)	7.5	4	Heater		
Amplification Factor	11.2	5	Cathode		
Anode Impedance (Ω)	1500	<u>DIMENSIONS</u>			
Anode Current (mA)	40	See K1001/AI/D1			
Optimum Load (Ω)	3000	Dimension	Min.	Max.	
<u>NOTES</u>		A	(mm)	13.4	14.2
		B	(mm)	-	57.5
A. $V_a = 100V., V_g = 0$ 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 ±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 310 Ω	Ia (mA)	30.0	42.5	100%
f	4.0	200	As in test 'e'	Reverse Ig (μ A)	-	3.0	100%