

Specification MAP/CV1041/Issue 6 Dated 19.1.49. To be read in conjunction with K1001.	<u>SECURITY</u>	
	<u>Specification</u> RESTRICTED	<u>Valve</u> UNCLASSIFIED

→ Indicates a change

<u>TYPE OF VALVE</u> - Var.- μ Screen Grid <u>CATHODE</u> - Directly Heated <u>ENVELOPE</u> - Glass - Metallised <u>PROTOTYPE</u> - PM 12M			<u>MARKING</u> See K1001/4		
			<u>PACKING</u> See K1005		
<u>RATING</u>		Note	<u>BASE</u> B4		
Filament Voltage (V) 2.0 Filament Current (A) 0.18 Max. Anode Voltage (V) 150 Max. Screen Voltage (V) 90 Mutual Conductance (mA/V) 1.4 Mutual Conductance (mA/V) 0.014 Average Anode Current (mA) 4.0	A B C		Pin	Electrode	
			1 2 3 4 TC	Screen Grid Control Grid Filament -ve and metallising Filament +ve Anode	
<u>NOTES</u> A: $V_a = 150, V_{g2} = 90, V_{g1} = 0.$ B: $V_a = 150, V_{g2} = 90, V_{g1} = -7.$ C: $V_a = 150, V_{g2} = 90, V_{g1} = -1$			<u>TOP CAP</u> See K1001/AI/D5.4		
			<u>DIMENSIONS</u> See K1001/AI/D1		
			Dimension	Min.	Max.
			A (mm)	-	135
			B (mm)	-	50

To be performed in addition to those applicable in K1001.

	Test Conditions				Test	Limits		No. Tested
						Min.	Max.	
a	Measured using Adaptor Type 35. Ref.10A/13331. See K1001/AIII				<u>CAPACITANCES</u> (pF)	-	0.005	T.A.
	Links to H.P.	Links to L.P.	Links to E.	Cag				
	TC1	2	1,3,4,5,6,7,8,9,10,TC2.					
b	Vf	Va	Vg2	Vg1	If (A)	0.17	0.21	100% or S
	2.0	0	0	0				
c1	2.0	120	60	0 to -1	gm ($\mu\text{A}/\text{V}$)	700	1200	100%
c2	2.0	120	60	-2 to -3		60	150	100% or S
d	2.0	100 to 120	60	0	Anode conduc- tance ($\mu\text{A}/\text{V}$)	1.5	4.5	100% or S
e	2.0	120	60	0	Ia (mA)	1.0	2.1	100%
f	2.0	120	60	0	Ig2 (mA)	0.3	0.8	100%

