

Specification MAP/CV1124/Issue 5 Dated 5.10.46. 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> - H.F. Pentode <u>CATHODE</u> - Indirectly Heated <u>ENVELOPE</u> - Glass-unmetallised <u>PROTOTYPE</u> - MS/PEN		<u>MARKING</u> See K1001/4	
		<u>BASE</u> B7	
<u>RATING</u>		Pin	Electrode
Heater Voltage (V)	4.0	1	No connection
Heater Current (A)	1.0	2	Control grid
Max. Anode Voltage (V)	250	3	Suppressor grid
Max. Screen Voltage (V)	125	4	Heater
Max. Anode Dissipation (W)	3	5	Heater
Max. Screen Dissipation (W)	1	6	Cathode
Max. Grid Resistance (MΩ)	2	7	Screen grid
Mutual Conductance (mA/V)	2.8	TC	Anode
Anode Impedance (MΩ)	0.6		
		<u>TOP CAP</u> See K1001/AL/D5.1	
<u>CAPACITANCES (pF)</u>		<u>DIMENSIONS</u> See K1001/AL/D1	
C <sub>ae</sub>	5.0	Dimension	Min. Max.
C <sub>ge</sub>	12.5	A (mm)	120 126
C <sub>ag</sub> (max.)	0.02	B (mm)	- 45
<u>NOTES</u>			
A. V <sub>a</sub> = 250 V., V <sub>g2</sub> = 125 V., V <sub>g1</sub> = -2.0 V.			

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.	Cae	4.0	6.0				
	TC1	1,3,4,5,6,7.	2,8,9,10,TC2							
	2	1,3,4,5,6,7.	8,9,10,TC1,TC2							
TC1	2	1,3,4,5,6,7,8,9,10,TC2.	Cag	-	.02	T.A.				
	Vh	Va	Vg2	Vg3	Vg1	Ia(mA)				
b	4.0	0	0	0	0	-	Ih (A)	0.9	1.1	100% or S
c	4.0	200	100	0	-1.5	-	Ia (mA)	3.2	6.4	100%
d	4.0	200	100	0	-1.5	-	gm (mA/V)	2.2	3.4	100%
e	4.0	200	100	0	-1.5	-	Ig2 (mA)	-	2.0	100% or S
f	4.0	200	100	0	-1.5	-	Reverse Ig (uA)	-	1.0	100%
g	4.0	200	100	0	-6	-	Ia (mA)	-	0.2	100%
h	4.0	200	100	-	-1.5	0.1	Vg3 (V)	-25	-50	5% (20)