

Specification MAP/CV1126/Issue 6 Dated 11.1.46. 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> - Hexode <u>CATHODE</u> - Indirectly Heated <u>ENVELOPE</u> - Glass-Metallised <u>PROTOTYPE</u> - 4 SH			<u>MARKING</u> See K1001/4			
<u>RATING</u>		Note	<u>BASE</u> B7			
Heater Voltage (V)	4.0	A A	Pin	Electrode		
Heater Current (A)	1.0		1	No connection		
Max. Anode Voltage (V)	250		2	Anode		
Max. Screen Voltage (V)	100		3	Modulator Grid (G3)		
Mutual Conductance (mA/V)	3.2		4	Heater		
Anode Current (mA)	7.0		5	Heater		
			6	Cathode		
			7	Screen Grids (G2 & G4)		
			T.C.	Signal Grid (G1)		
<u>NOTES</u> A:- At $V_a = 250$, $V_{g2} = 100$, $V_{g1} = -2$, $V_{g3} = 0$.			<u>PLUG TOP CAP</u> See K1001/AI/D5.1			
			<u>DIMENSIONS</u> See K1001/AI/D1.			
			Dimension	Min.	Max.	
			A (mm)	-	127	
B (mm)	-	45				

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.						
	TC1	1,3,4,5,6,7.	2,8,9,10,TC2.	1. Signal grid to all other electrodes except anode.					
	3	1,4,5,6,7,TC1.	2,8,9,10,TC2.	2. Modulator grid to all other electrodes except anode.					
	2	1,3,4,5,6,7.	8,9,10,TC1,TC2.	3. Anode to all other electrodes except signal grid.					
	TC1	3	1,2,4,5,6,7,8,9,10,TC2.	4. Signal grid to modulator grid.					
b	Vh	Va	Vg2	Vg1	Vg3	Ih (A)	0.9	1.1	100% or 3
	4.0	0	0	0	0				
c	4.0	250	100	-2	0	Ia (mA)	4.7	9.4	100%
d	4.0	250	100	-2	0	gm (mA/V)	2.55	3.85	100%
Peak grid (Vg1) swing $\pm 1V_{max}$.									
e	4.0	250	100	-2	-9	Ia (mA)	-	2.0	100%
f	4.0	250	100	-2	-9	Reverse I _{g1} (uA)	-	1.0	100%
g	4.0	250	100	-2	-9	-I _{g3} (uA)	-	1.0	100%
h	4.0	250	100	-15	0	Ia (mA)	0.1	1.0	100%