

Specification MAP/CV1126/Issue 6
Dated 11.1.46.
To be read in conjunction with K1001.

SECURITYSpecification

RESTRICTED

Valve

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		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	A	4	Heater
Anode Current	(mA)	7.0	A	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/AL/D5.1	
				<u>DIMENSIONS</u> See K1001/AL/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.							-	11.5
	3	1,4,5,6,7, TC1.	2,8,9,10, TC2.							-	14.0
	2	1,3,4,5,6, 7.	8,9,10, TC1,TC2.							-	20.0
	TC1	3	1,2,4,5, 6,7,8,9, 10, TC2.			4. Signal grid to modulator grid.	-	0.15			
b	Vh	Va	Vg2	Vg1	Vg3	Ih (A)	0.9	1.1	100% or S		
	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 +1V.max.										
e	4.0	250	100	-2	-9	Ia (mA)	-	2.0	100%		
f	4.0	250	100	-2	-9	Reverse Ig1(μA)	-	1.0	100%		
g	4.0	250	100	-2	-9	-Ig3 (μA)	-	1.0	100%		
h	4.0	250	100	-15	0	Ia (mA)	0.1	1.0	100%		