

Specification MAP/CV1002/Issue 8 Dated 10.3.47. 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> - R.F. Beam Power Amplifier <u>CATHODE</u> - Indirectly heated <u>ENVELOPE</u> - Glass - unmetallised			<u>MARKING</u> See K1001/4																						
<u>RATING</u>			<u>BASE</u> I.O.																						
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			<u>DIMENSIONS</u> See K1001/AI/D1																						
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<u>CAPACITANCES (pF)</u> Cae 2.6 Cge 9.1 Cag 0.4																									
<u>NOTES</u> A. $V_a = 250V.$ , $V_{g2} = 135V.$ , $V_{g1} = -11.0$ , $I_a = 30mA.$ B. A blank pin may be supplied in position 6 should a manufacturer so desire. C. The envelope up to a height of 36mm. from the sole of the base shall lie wholly within a cylinder of diameter 32mm. with its vertical axis through the centre of the spigot.																									

To be performed in addition to those applicable in K1001.

	Test Conditions			Test	Limits		No. Tested	Note
					Min.	Max.		
a	See K1001/AIII			CAPACITANCES (pF)			6 per week	
	Links to H.P.	Links to L.P.	Links to E.					
	TC1	1,2,3,5,6,7,8	4,9,10,TC2					
	4	1,2,3,5,6,7,8	9,10,TC1,TC2					
	TC1	4	1,2,3,5,6,7,8,9,10,TC2	Cge	0.25	0.5		

For the following tests the beam forming plates shall be connected to the cathode.

	Vh	Va	Vg2	Vg1	Ia (mA)					
b	6.3	0	0	0	0	Ih (A)	0.72	0.88	100% or S	
c	6.3	250	135	-	30	Vg (V)	-8.25	-15.5	100%	
d	6.3	250	135	-	30	Ig2 (mA)	-	5.0	100%	
e	6.3	250	135	-	30	gm (mA/V)	2.8	4.2	100%	
										Peak grid swing $\pm 1.0V$ . max.
f	6.3	250	135	-	30	Reverse Ig ( $\mu A$ )	-	2.0	100%	
g	6.3	250	135	-50	-	Ia (mA)	-	1.0	100%	
h	6.3	250	250	-100VDC +100V. Peak sinu- scidal AC (50c/s)	-	Mean Ia (mA)	25.0	-	100%	1
j	6.3	250	250	0	-	Ia (mA)	160	-	100%	1

### NOTE

- Valves shall be subjected either to test 'h' or to test 'j'. In test 'j' the anode and screen voltages shall be applied only as long as is necessary to obtain the true anode current reading.