

Specification MAP/CV1570/Issue 4 Dated 4.10.46 To be read in conjunction with K1001	<table> <tr> <th colspan="2"><u>SECURITY</u></th></tr> <tr> <td><u>Specification</u> RESTRICTED</td><td><u>Valve</u> RESTRICTED</td></tr> </table>	<u>SECURITY</u>		<u>Specification</u> RESTRICTED	<u>Valve</u> RESTRICTED
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—————> Indicates a change

<u>TYPE OF VALVE</u> - Octode Frequency Changer <u>CATHODE</u> - Indirectly Heated <u>ENVELOPE</u> - Glass-Metallised <u>PROTOTYPE</u> - EK32	<u>MARKING</u> See K1001/4
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<u>RATING</u>		Note	<u>BASE</u> I.O.	
			Pin	Electrode
Heater Voltage (V)	6.3	A A	1	Metallising
Heater Current (A)	0.2		2	Heater
Maximum Anode Voltage (V)	300		3	Anode
Maximum Screen Voltage (V)	125		4	Screen G3G5
Max.Oscillating Anode Voltage (V)	225		5	Oscillator Grid G1
Max.Anode Dissipation (W)	1.0		6	Oscillator Anode G2
Max.Screen Dissipation (W)	0.3		7	Heater
Max.Oscillator Anode Dissipation (W)	1.3		8	Cathode and Suppressor G6
Mutual Conductance (mA/V)	0.55		TC	Signal Grid G4
Anode Impedance (MΩ)	2.0			

<u>NOTES</u> A. $V_a = 250$, $V_{g2} = 200$, $V_{g3} = 50$, $I_a = 1$ mA.	<u>TOP CAP</u> See K1001/Al/D5.2		
	<u>DIMENSIONS</u> See K1001/Al/D1		
	Dimension	Min.	Max.
	A (mm)	95	100
	B (mm)	-	36

To be performed in addition to those applicable in K1001.

	Test Conditions					Test	Limits		No. Tested
	Vh	Va	Vg3	Vg1	Vg4		Min .	Max.	
For the following tests grids 2 and 3 shall be strapped and the voltage applied thereto will be known as Vg3									
a	6.3	0	0	0	0	Ih (A)	0.18	0.22	100% or S
b	6.3	250	100	0	0	Ia (mA)	10.0	-	100%
c	6.3	250	100	0	-7.0	Reverse Ig4 (μ A)	-	1.0	100%
d	6.3	250	100	0	-7.5	Ia (mA)	-	3.0	100%
e	6.3	250	100	-16	0	Ia (mA)	-	0.1	100%