

Specification MAP/CV1570/Issue 4 Dated 4.10.46 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> - 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>		<u>BASE</u> I.O.																				
	Note																					
Heater Voltage (V) 6.3 Heater Current (A) 0.2 Maximum Anode Voltage (V) 300 Maximum Screen Voltage (V) 125 Max. Oscillating Anode Voltage (V) 225 Max. Anode Dissipation (W) 1.0 Max. Screen Dissipation (W) 0.3 Max. Oscillator Anode Dissipation (W) 1.3 Mutual Conductance (mA/V) 0.55 Anode Impedance (MΩ) 2.0	A A	<table border="1" style="width: 100%;"> <thead> <tr> <th style="text-align: center;">Pin</th> <th style="text-align: center;">Electrode</th> </tr> </thead> <tbody> <tr><td style="text-align: center;">1</td><td>Metallising</td></tr> <tr><td style="text-align: center;">2</td><td>Heater</td></tr> <tr><td style="text-align: center;">3</td><td>Anode</td></tr> <tr><td style="text-align: center;">4</td><td>Screen G3G5</td></tr> <tr><td style="text-align: center;">5</td><td>Oscillator Grid G1</td></tr> <tr><td style="text-align: center;">6</td><td>Oscillator Anode G2</td></tr> <tr><td style="text-align: center;">7</td><td>Heater</td></tr> <tr><td style="text-align: center;">8</td><td>Cathode and Suppressor G6</td></tr> <tr><td style="text-align: center;">TC</td><td>Signal Grid G4</td></tr> </tbody> </table>	Pin	Electrode	1	Metallising	2	Heater	3	Anode	4	Screen G3G5	5	Oscillator Grid G1	6	Oscillator Anode G2	7	Heater	8	Cathode and Suppressor G6	TC	Signal Grid G4
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<u>NOTES</u> A. $V_a = 250$, $V_{g2} = 200$, $V_{g3} = 50$, $I_a = 1$ mA.	<u>TOP CAP</u> See K1001/AI/D5.2		
	<u>DIMENSIONS</u> See K1001/AI/D1		
	Dimension	Min.	Max.
	A (mm)	95	100
B (mm)	-	36	

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TESTS

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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%