

Specification MAP/CV1057/Issue 6 Dated 6.1.49 To be read in conjunction with K.1001	<u>SECURITY</u>	
	<u>Specification</u> RESTRICTED	<u>Valve</u> UNCLASSIFIED

→ Indicates a change

<u>TYPE OF VALVE:</u> Octode Frequency Changer. <u>CATHODE:</u> Indirectly heated. <u>ENVELOPE:</u> Glass Metallised <u>PROTOTYPE:</u> E.K. 32.	<u>MARKING</u> See K1001/4
	<u>PACKING</u> See K1005
	<u>BASE</u> I.O.

<u>RATING</u>			Note	<u>Pin</u>	<u>Electrode</u>
Heater Voltage (V)	6.3			1	Metallising
Heater Current (A)	0.2			2	Heater
Max. Anode Voltage (V)	300			3	Anode
Max. Screen Voltage (V)	125			4	Screen Grid (G3, G5)
Max. Anode dissipation (W)	1.0			5	Oscillator Grid (G1)
Max. Screen dissipation (W)	0.3			6	Oscillator Anode (G2)
Max. Oscillator Anode Voltage (V)	225			7	Heater
Conversion Conductance (mA/V)	0.55	A		8	Cathode and Suppressor Grid (G6)
Anode Impedance (MΩ)	2.0	A		T.C.	Signal Grid (G4)

<u>NOTE</u> A: At $V_a = 250$, $V_{g3, 5} = 50$, $V_{g2} = 200$, $I_a = 1$ mA.	<u>TOP CAP</u> See K1001/AI/D5.2		
	<u>DIMENSIONS</u> See K1001/AI/D1.		
	<u>Dimensions</u>	<u>Min.</u>	<u>Max.</u>
	A (mm) B (mm)	95 -	100 36

TESTS

To be performed in addition to those applicable in K1001

	Test Conditions						Test	Limits		No. Tested
								Min.	Max.	
	Vh	Va	Vg4	Vg2	Vg1	Ig3,5 (mA)				
a	6.3	0	0	0	0	-	Ih (A)	0.18	0.22	100% or S
b	6.3	70	-3	0	-3	1.8	Vg 3,5 (V)	60	72.5	100%
c	6.3	70	-3	0	-3	1.8	gm {dIa / dVg4} (mA/V)	0.42	-	100%
						Peak grid (g4) swing $\pm$ 0.5V. max.				
d	6.3	70	-3	0	-3	1.8	gm {dIa / dVg1} (mA/V)	0.3	0.55	100%
						Peak grid swing (g1) $\pm$ 0.5V. max.				
e	6.3	70	-3	0	-3	1.8	Reverse Ig4 (μ A)	-	1.0	100%
f	6.3	70	-3	0	-3	1.8	Reverse Ig1 (μ A)	-	1.0	100%