

Specification MAP/CV1022/Issue 7 Dated 20.1.49. To be read in conjunction with K1001	<u>SECURITY</u>	
	<u>Specification</u> RESTRICTED	<u>Valve</u> UNCLASSIFIED

→ Indicates a change

<u>TYPE OF VALVE</u> - Triode <u>CATHODE</u> - Directly Heated <u>ENVELOPE</u> - Glass Unmetallised <u>PROTOTYPE</u> - Cossor 220 PA.		<u>MARKING</u> See K1001/4	
		<u>PACKING</u> See K1005	
<u>RATING</u>		<u>BASE</u> B4	
		Note	
Filament Voltage (V)	2.0	Pin	Electrode
Filament Current (A)	0.2	1	Anode
Max. Anode Voltage (V)	150	2	Grid
Mutual Conductance (mA/V)	4.0	3	Filament negative
Amplification Factor	16	4	Filament positive
Anode Impedance (Ω)	4,000		
Average Anode Current (mA)	10		
Optimum Load (Ω)	9,000		
<u>NOTES</u>		<u>DIMENSIONS</u>	
A:- At $V_a = 100$, $V_g = 0$.		See K1001/AI/D1.	
B:- At $V_a = 150$, $V_g = -4.5$.		Dimension	Min. Max.
		A (mm)	- 109
		B (mm)	- 45
		C (mm)	- 36

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TESTS

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To be performed in addition to those applicable in K.1001.

	Test Conditions			Test	Limits		No. Tested
	Vf	Va	Vg		Min.	Max.	
a	1.8	0	0	If (A)	0.16	0.24	100% or S
b	1.8	150	-7 to -5	gm (mA/V)	1.8	3.0	100% or S
c	1.8	150	-6	μ	14	20	100% or S
d	1.8	150	-6	Ia (mA)	3.5	7.0	100%
e	1.8	150	-6	Reverse Ig (μ A)	-	1.0	100%

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