

Specification MAP/CV1028/Issue 9 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> - Variable- μ Screened Grid.				<u>MARKING</u> See K1001/4	
<u>CATHODE</u> - Directly heated - Oxide coated.				<u>PACKING</u> See K1005.	
<u>ENVELOPE</u> - Glass - metallised.					
<u>PROTOTYPE</u> - Cossor 220VSG.					
<u>RATING</u>			Note	<u>BASE</u> B4	
Filament Voltage	(V)	2.0		Pin	Electrode
Filament Current	(A)	0.2			
Max. Anode Voltage	(V)	150		1	Screen Grid
Max. Screen Voltage	(V)	80		2	Control Grid
Mutual Conductance 1	(mA/V)	1.6	A	3	Filament negative and metallising.
2	(mA/V)	0.1	B		Filament positive
Anode Impedance	(megohms)	0.11	A	4	Anode
				T.C.	
<u>NOTES</u> A:- At $V_a = 150$, $V_{g2} = 60$, $V_{g1} = 0$ B:- At $V_a = 150$, $V_{g2} = 60$, $V_{g1} = -15$				<u>TOP CAP</u> See K1001/AI/D5.4.	
				<u>DIMENSIONS</u> See K1001/AI/D1.	
				Dimension	Min. Max.
				A (mm)	- 131
				B (mm)	- 45
				Diameter of base or bulb not to exceed 37 mm. up to a height of 58 mm. from bottom of pins.	

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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
						Min.	Max.	
a	Measured using Adaptor Type 35. Ref. 10A/13331. See K1001/AIII				<u>CAPACITANCE(pF)</u> Cag	-	0.005	1% (20)
	Links to H.P.	Links to L.P.	Links to E					
	T.C.1	2	1,3,4,5, 6,7,8, 10 _{TC2}					
b	Vf	Va	Vg2	Vg1	If (A)	0.18	0.22	100% or S
	2.0	0	0	0				
c	2.0	120	60	0 to -2	gm 1. (mA/V) 2. (mA/V)	1.0 0.07	1.7 0.17	100% 100% or S
	2.0	120	60	-6 to -10				
d	2.0	100 to 120	60	0	Ia change (mA)	-	0.22	100% or S
e	2.0	120	60	0	Ia (mA)	3.2	6.4	100%

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