

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>		
<u>CATHODE</u> - Directly heated - Oxide coated.			See K1001/4.		
<u>ENVELOPE</u> - Glass - metallised.			<u>PACKING</u>		
<u>PROTOTYPE</u> - Cossor 220VSG.			See K1005.		
<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	3	Filament	
Mutual Conductance 2	(mA/V)	0.1		negative and	
Anode Impedance	(megohms)	0.11	4	metallising.	
			T.C.	Filament positive	
				Anode	
<u>NOTES</u>			<u>TOP CAP</u>		
A:- At $V_a = 150$, $V_{g2} = 60$, $V_{g1} = 0$			See K1001/AI/D5.4.		
B:- At $V_a = 150$, $V_{g2} = 60$, $V_{g1} = -15$			<u>DIMENSIONS</u>		
			See K1001/AI/D1.		
			Dimension	Min.	Max.
			A	(mm)	-
			B	(mm)	-
					131
					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				CAPACITANCE(pF)			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	1.7	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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