

Specification MAP/CV1020/Issue 8 Dated 6.1.49 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>BULB:</u> Glass - unmetal- lised <u>PROTOTYPE:</u> 220P			<u>MARKING</u> See K1001/4		
			<u>PACKING</u> See K1005		
<u>RATING</u>		Note	<u>BASE</u> B4		
Filament Voltage (V)	2.0		<u>Pin</u>	<u>Electrode</u>	
Filament Current (A)	0.2		1	Anode	
Max. Anode Voltage (V)	150		2	Control grid	
Mutual Conductance (mA/V)	2.25	A	3	Filament	
Anode Impedance (Ω)	4000	A	4	Filament	
Amplification Factor	9	A			
Average Anode Current (μA)	11	B	<u>DIMENSIONS</u>		
Optimum Load (Ω)	9000	B	See K1001/A1/D1		
			<u>Dimension</u>	<u>Min.</u>	<u>Max.</u>
			A (mm)	96	105
			B (mm)	40	43

NOTES

A:- At Va = 100, Vg = 0

B:- At Va = 150, Vg = -7.5

CV1020TESTS

To be performed in addition to those applicable in K1001.

Clause	Test Conditions			Test	Limits		No. Tested
					Min.	Max.	
	Vf	Va	Vg1				
(a)	2.0	0	0	If (A)	0.18	0.22	100% or S
(b)	2.0	100	0	Ia (mA)	10	20	100%
(c)	2.0	100	0	gm (mA/V)	1.80	-	100%
	Peak grid swing \pm 0.5 volt max.						
(d)	2.0	150	-7.5	Reverse Ig (μ A)	-	1.0	100%
(e)	2.0	150	-7.5	Ia (mA)	7.3	14.7	100%