

Specification MAP/CV1032/Issue 7 Dated 9. 2. 46. To be read in conjunction with K1001	<u>SECURITY</u>	
	<u>Specification</u> RESTRICTED	<u>Valve</u> RESTRICTED

Indicates a change

<u>TYPE OF VALVE</u> - Class B, Double Triode			<u>MARKING</u>			
<u>CATHODE</u> - Directly Heated, Oxide Coated			See K1001/4			
<u>ENVELOPE</u> - Glass - unmetallised			<u>BASE</u>			
<u>PROTOTYPE</u> - 220B			B7			
			See K1001/AIV/D5.3.			
<u>RATING</u>			<u>Pin</u> <u>Electrode</u>			
Filament Voltage	(V)	2.0	Note	1	Grid I	
Filament Current	(A)	0.2		2	Grid II	
Max. Anode Voltage	(V)	150		3	Anode II	
Max. Anode Current				4	Filament -ve	
Swing	(mA)	35		5	Filament +ve	
Max. Peak Applied Signal			A	6	No connection	
(Grid I to Grid II)	(V)	4.0		7	Anode I	
Average Anode Current	(mA)	6.0				
Static Anode Current						
(each half)	(mA)	1.25				
Anode to Anode Load			B	<u>DIMENSIONS</u>		
1. $V_a = 90$ V.	(Ω)	20,000		See K1001/AI/D1.		
2. $V_a = 120$ V.	(Ω)	12,000				
<u>NOTES</u>			<u>Dimension</u> <u>Min.</u> <u>Max.</u>			
A:- $V_a = 120$			A (mm) - 111			
B:- $V_a = 100, V_g = 0.$			B (mm) - 45			
			C (mm) - 35			

To be performed in addition to those applicable in K1001.

	Test Conditions			Test	Limits		No. Tested
	Vf	Va	Vg		Min.	Max.	
a	2.0 AC or DC	0	0	If (A)	0.18	0.23	100% or S
b	2.0 DC 2.0 AC	120	0	1. Ia (of each half) (mA) $\begin{cases} \text{DC} \\ \text{AC} \end{cases}$ 2. Difference between Ia of each half (mA)	0.7 1.8 -	2.0 3.3 0.5	100% 100% 100%
c	2.0 DC 2.0 AC	50	10	1. Ia (of each half) (mA) $\begin{cases} \text{DC} \\ \text{AC} \end{cases}$ 2. Difference between Ia of each half (mA)	12 13 -	- - 3.0	100% 100% 100%
d	2.0 DC 2.0 AC	50	20	1. Ia (of each half) (mA) $\begin{cases} \text{DC} \\ \text{AC} \end{cases}$ 2. Difference between Ia of each half (mA)	28 31 -	- - 6.0	100% 100% 100%
e	2.0 DC 2.0 AC	150	-1 -2	Reverse Ig (μ A)	-	1.0	100%