

Specification MAP/CV1118/Issue 6 Dated 16.9.47. 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> - Pentode or Beam Tetrode <u>CATHODE</u> - Directly heated <u>ENVELOPE</u> - Glass-unnmetallised <u>PROTOTYPES</u> - PT2, KT2			<u>MARKING</u> See K1001/4			
<u>RATING</u>			<u>BASE</u> B5			
			Note			
Filament Voltage (V)	2.0		Pin	Electrode		
Filament Current (A)	0.2		1	Anode		
Max. Anode Voltage (V)	150		2	Control grid		
Max. Screen Voltage (V)	150		3	Filament		
Average Anode Current (mA)	3.8	A	4	Filament		
Average Screen Current (mA)	0.75	A	5	Screen grid		
Mutual Conductance (mA/V)	1.75	A	<u>DIMENSIONS</u> See K1001/AI/D1			
<u>NOTE</u>			Dimension	Min.	Max.	
A. At $V_a = V_{g2} = 100$, $V_{g1} = -3.0$.			A	(mm)	-	115
			B	(mm)	-	50
			C	(mm)	-	36
Dia. of valve * 45 mm. up to a height of 64 mm. from sole of base.						

To be performed in addition to those applicable in K1001.

	Test Conditions				Test	Limits		No. Tested
	Vf	Va	Vg2	Vg		Min.	Max.	
a	1.9	0	0	0	If (A)	0.18	0.22	100% or S
b	1.9	100	100	-3.0	Ia (mA)	2.7	5.2	100%
c	1.9	100	100	-3.0	Ig2 (mA)	-	1.25	100% or S
d	1.9	100	100	-3.0	gm (mA/V)	1.3	2.2	100%
		Peak grid swing $\pm 0.5V.$ max.						
e	1.9	100	100	-3.0	Reverse Ig1 (μA)	-	0.7	100%