

Specification MAP/CV1117/Issue 6 Dated 4.3.47. To be read in conjunction with K1001.	<table> <tr> <th colspan="2"><u>SECURITY</u></th></tr> <tr> <td><u>Specification</u></td><td><u>Valve</u></td></tr> <tr> <td>RESTRICTED</td><td>RESTRICTED</td></tr> </table>	<u>SECURITY</u>		<u>Specification</u>	<u>Valve</u>	RESTRICTED	RESTRICTED
<u>SECURITY</u>							
<u>Specification</u>	<u>Valve</u>						
RESTRICTED	RESTRICTED						

—————> Indicates a change

<u>TYPE OF VALVE</u> - Triode				<u>MARKING</u>		
<u>CATHODE</u> - Indirectly heated				See K1001/4		
<u>ENVELOPE</u> - Glass - Metallised						
<u>PROTOTYPE</u> - 41MTL						
<u>RATING</u>			Note	<u>BASE</u>		
				B5		
Heater Voltage	(V)	4.0		Pin	Electrode	
Heater Current	(A)	1.0		1	Anode	
Max. Anode Voltage	(V)	250		2	Grid	
Max. Anode Dissipation	(W)	3.5		3	Heater	
Max. Cathode Current	(mA)	25		4	Heater	
Max. Grid Resistance	(M Ω)	2.0		5	Cathode and metallising	
Max. Peak Cathode Current	(mA)	50				
Mutual Conductance	(mA/V)	3.1	A	<u>DIMENSIONS</u>		
Amplification Factor		45	A	See K1001/AI/D1		
Anode Impedance	(Ω)	14,500	A	Dimension	Min.	Max.
Max. Operating Frequency	(Mc/s)	20		A	(mm)	-
				B	(mm)	-

To be performed in addition to those applicable in K1001.

	Test Conditions				Test	Limits		No. Tested
	Vh	Va	Vg1	Ia(mA)		Min.	Max.	
a	4.0	0	0	0	Ih (A)	0.9	1.1	100% or S
b	4.0	200	-2.5	-	Ia (mA)	3.8	7.0	100%
c	4.0	200	-2.5	-	gm (mA/V)	2.5	3.7	100%
		Peak grid swing $\pm 0.5V$ max.						
d	4.0	200	-2.5	-	Reverse Ig (μA)	-	1.0	100%
e	4.0	200	-2.5	-	μ	38.0	52.0	100% or S
f (1)	4.0	200	-	4.2	Vg to be noted			100%
(2)	4.0	200	3.5 volts more nega- tive than value noted in test f(1)	-	Ia (mA)	-	0.2	100%