

Specification MAP/CV1505/Issue 4 Dated 25.1.46. 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> - Triode				<u>MARKING</u> See K1001/4				
<u>CATHODE</u> - Indirectly Heated								
<u>ENVELOPE</u> - Glass - Unmetallised								
<u>PROTOTYPE</u> - MH41								
<u>RATING</u>			Note	<u>BASE</u> B5				
Heater Voltage (V)	4.0	A		Pin	Electrode			
Heater Current (A)	1.0		1	Anode				
Max. Anode Voltage (V)	250		2	Grid				
Mutual Conductance (mA/V)	6.0		3	Heater				
Anode Impedance (Ω)	13,000		4	Heater				
Amplification Factor	80	A	5	Cathode				
<u>NOTE</u> A:- $V_a = 100$, $V_g = 0$.				<u>DIMENSIONS</u> See K1001/AI/D1				
				Dimension		Min.	Max.	
				A (mm)	108	116		
				B (mm)	-	45		
				D (mm)	-	31.5		

To be performed in addition to those applicable in K1001.

	Test Conditions			Test	Limits		No. Tested
	Vh	Va	Vg		Min.	Max.	
a	4.0	0	0	Ih (A)	0.9	1.1	100%
b	4.0	100	0	Ia (mA)	4.5	9.0	100%
c	4.0	100	0	gm (mA/V)	4.5	7.5	100%
	Peak grid swing $\pm 0.5V$. max.						
d	4.0	100	-2	Reverse Ig (μA)	-	1.0	100%
e	4.0	70	.14M Ω connected between anode and grid.	Ic (mA)	5.5	-	100%
f	4.0	250	-6.5	Ia (mA)	-	0.1	100%