

ADMIRALTY SIGNAL ESTABLISHMENT

Specification AD/CV399/Issue 9. Dated 11.6.47. To be read in conjunction with K1001.	<u>SECURITY</u>	
	<u>Specn.</u> Restricted	<u>Valve</u> Unclassified

<p><u>TYPE OF VALVE</u>:- Triode</p> <p><u>CATHODE</u>:- Indirectly heated</p> <p><u>ENVELOPE</u>:- Glass, metallised</p> <p><u>PROTOTYPE</u>:- MH4</p>	<p><u>MARKING</u></p> <p>See K1001/4.</p>
---	---

<u>RATING</u>		<u>BASE</u>												
	Note	B5 See K1001/AIV/D5.												
Heater Voltage (V)	4.0													
Heater Current (A)	1.0													
Max. Anode Voltage (V)	250													
Max. Anode Dissipation (W)	2.5													
Anode Impedance (ohms)	11,500	A												
Mutual Conductance (mA/V)	3.6	A												
Amplification Factor	40	A												
		<u>DIMENSIONS</u> See K1001/AI/D1.												
		<table border="1" style="width: 100%;"> <tr> <th style="width: 30%;">Pin</th> <th style="width: 70%;">Electrode</th> </tr> <tr> <td style="text-align: center;">1</td> <td>Anode</td> </tr> <tr> <td style="text-align: center;">2</td> <td>Grid</td> </tr> <tr> <td style="text-align: center;">3</td> <td>Heater</td> </tr> <tr> <td style="text-align: center;">4</td> <td>Heater</td> </tr> <tr> <td style="text-align: center;">5</td> <td>Cathode</td> </tr> </table>	Pin	Electrode	1	Anode	2	Grid	3	Heater	4	Heater	5	Cathode
Pin	Electrode													
1	Anode													
2	Grid													
3	Heater													
4	Heater													
5	Cathode													
		<table border="1" style="width: 100%;"> <tr> <th style="width: 40%;">Dimension</th> <th style="width: 20%;">Min.</th> <th style="width: 40%;">Max.</th> </tr> <tr> <td style="text-align: center;">A mm</td> <td style="text-align: center;">-</td> <td style="text-align: center;">116</td> </tr> <tr> <td style="text-align: center;">B mm</td> <td style="text-align: center;">-</td> <td style="text-align: center;">46</td> </tr> </table>	Dimension	Min.	Max.	A mm	-	116	B mm	-	46			
Dimension	Min.	Max.												
A mm	-	116												
B mm	-	46												

<u>NOTE</u>	<u>PACKING</u>
A. $V_a = 100, V_{g1} = 0.$	See K1001/7.

TESTS

To be performed in addition to those applicable in K1001.

	Test Conditions			Test	Limits		No. Tested
	Vh	Va	Vg		Min.	Max.	
	(v)	(v)	(v)				
a	4.0	0	0	Ih (A)	0.9	1.2	100% or S
b	4.0	100	0	Ia (mA)	5.0	10.0	100%
c	4.0	100	0	Gm (mA/V)	2.4	4.5	100%
d	4.0	100	-2	Reverse Ig1 (µA)	-	0.5	100%