

VALVE ELECTRONIC

CV2377

ADMIRALTY SIGNAL AND RADAR ESTABLISHMENT

Specification AD/CV2377 Issue No. 1 dated 23.11.55. To be read in conjunction with K1001, B.S.448 and B.S.1409	<p align="center"><u>SECURITY</u></p> <p>Specification Valve</p> Unclassified Unclassified
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<p><u>TYPE OF VALVE:-</u> Beam tetrode</p> <p><u>CATHODE:-</u> Indirectly heated</p> <p><u>ENVELOPE:-</u> Glass, unmetallised</p> <p><u>PROTOTYPE:-</u> VX6094</p>		<p align="center"><u>MARKING</u></p> See K1001/4																																								
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<p align="center"><u>RATINGS</u></p> <table border="1"> <tr> <td>Heater Voltage (series) (V)</td> <td>26.0</td> <td rowspan="12"> Note A A A A A A A A A B </td> </tr> <tr> <td>Heater Current (series) (A)</td> <td>1.3</td> </tr> <tr> <td>Heater Voltage (Parallel) (V)</td> <td>13.0</td> </tr> <tr> <td>Heater Current (parallel) (A)</td> <td>2.6</td> </tr> <tr> <td>Max.D.C. Anode Voltage (V)</td> <td>800</td> </tr> <tr> <td>Max.D.C. Screen Voltage (V)</td> <td>300</td> </tr> <tr> <td>Max.Anode Dissipation (W)</td> <td>90</td> </tr> <tr> <td>Max.Screen Dissipation (W)</td> <td>10</td> </tr> <tr> <td>Max.Cathode Current (mA)</td> <td>800</td> </tr> <tr> <td>Max.Heater/Cathode Voltage (D.C.) (Heater Negative) (V)</td> <td>250</td> </tr> <tr> <td>Mutual Conductance (mA/V)</td> <td>31</td> </tr> </table>		Heater Voltage (series) (V)	26.0	Note A A A A A A A A A B	Heater Current (series) (A)	1.3	Heater Voltage (Parallel) (V)	13.0	Heater Current (parallel) (A)	2.6	Max.D.C. Anode Voltage (V)	800	Max.D.C. Screen Voltage (V)	300	Max.Anode Dissipation (W)	90	Max.Screen Dissipation (W)	10	Max.Cathode Current (mA)	800	Max.Heater/Cathode Voltage (D.C.) (Heater Negative) (V)	250	Mutual Conductance (mA/V)	31	<p align="center"><u>CONNECTIONS</u></p> <table border="1"> <thead> <tr> <th>Pin</th> <th>Electrode</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>h</td> </tr> <tr> <td>2</td> <td>h tap</td> </tr> <tr> <td>3</td> <td>g1</td> </tr> <tr> <td>4</td> <td>k</td> </tr> <tr> <td>5</td> <td>g2</td> </tr> <tr> <td>6</td> <td>a</td> </tr> <tr> <td>7</td> <td>h</td> </tr> </tbody> </table>		Pin	Electrode	1	h	2	h tap	3	g1	4	k	5	g2	6	a	7	h
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<p align="center"><u>NOTES</u></p> <p>A. Absolute maximum value.</p> <p>B. Measured at $V_a = V_{g2} = 150$, $I_a = 450$ mA.</p> <p>C. Mounting position; vertical.</p>																																										

TESTS

To be performed in addition to those applicable in K1001

	Test Conditions					Test	Limits		No. Tested	Note
	Vh (V)	Va (V)	Vg2 (V)	Vg1 (V)	Ia (mA)		Min.	Max.		
a	26.0	0	0	0	0	Ih (A)	1.17	1.43	100% or S	
b	26.0	150	150	Ad-just	600	Vg1 (V)	-6.7	-15.0	100%	
c	26.0	150	150	-do-	600	Reverse Ig1 (μ A)	-	6.0	100%	
d	26.0	150	150	-do-	600	Ig2 (mA)	-	65.0	100% or S	
e	26.0	150	150	-do-	450	Ia Rise when Vg1 is made more positive by 3V (mA)	71.0	136.0	100%	
f	26.0	150	150	-60	-	Reverse Ig1 (μ A)	-	12.0	100%	
g	26.0	150	150	-60	-	Ia (mA)	-	15.0	100% or S	
h	26.0	50	150	As in Test (b)	-	Ig2 (mA)	-	14.0.0	100% or S	1
j	26.0	100	100	0	-	Ia (mA)	450	750	100% or S	
k	26.0	0	0	0	0	Ih-k (μ A)	-	600	100%	
<p style="text-align: center;"><u>NOTE</u></p> <p>1. Test voltage applied only for sufficient time to obtain a steady reading.</p>										

CV2377/1/2