

VALVE ELECTRONIC**CV84**ADMIRALTY SIGNAL ESTABLISHMENT

Specification AD/CV84/Issue 2. Dated 13.11.46. To be read in conjunction with K1001.	<table border="1"> <tr> <th colspan="2" data-bbox="674 245 903 277"><u>SECURITY</u></th></tr> <tr> <td data-bbox="674 277 903 346"><u>Specification</u> Restricted</td><td data-bbox="903 277 1154 346"><u>Valve</u> Unclassified</td></tr> </table>	<u>SECURITY</u>		<u>Specification</u> Restricted	<u>Valve</u> Unclassified
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<u>TYPE OF VALVE:-</u> Triode <u>CATHODE:-</u> Indirectly heated <u>ENVELOPE:-</u> Glass <u>PROTOTYPE:-</u> 3B/102B		<u>MARKING</u> See K1001/4.	
<u>RATING</u> Heater Voltage (V) 6.0 Heater Current (A) 0.8 Amplification Factor 15 A Anode Impedance (ohms) 2,500 A Mutual Conductance (mA/V) 6 A Max. Anode Voltage (V) 500 Max. Anode Dissipation (W) 10 Max. Anode Current (mA) 100		<u>BASE</u> B5 See K1001/AIV/D5.2.	
<u>CAPACITANCES (pF. approx.)</u> Cag 4.5 Cge 7.3 Cac 4.5		<u>Pin</u> 1 2 3 4 5	
<u>Electrode</u> Anode Grid Heater Heater Cathode		<u>DIMENSIONS</u> See K1001/AI/D1.	
<u>Dimension</u> A mm B mm		<u>Min.</u> - -	
<u>Max.</u> 121 45		<u>PACKING</u> See K1001/7.	

NOTEA. $V_a = 300 \text{ V}$, $V_g = -9 \text{ V}$.

TESTS

To be performed in addition to those applicable in K1001.

	Test Conditions				Test	Limits		No. Tested
	Vh (V)	Va (V)	Vg (V)	Ia (mA)		Min.	Max.	
a	6.0	-	-	-	Ih (A)	0.75	0.85	100%
b	6.0	300	Ad-justed	66	Reverse Ig after 1 min. (μA)	-	5	100%
	These conditions maintained for 1 minute; at the end of this time reverse Ig shall not be rising.							
c	6.0	300	-9	x	Ia (mA)	35	75	100%
d	6.0	300	-12	y	x-y (mA)	10	23	100%
e	6.0	260	Ad-justed	x as in test 'c'	-Vg change (V)	1.8	4.2	100%
f	6.0	400	-40		Ia cut-off (mA)	-	2	100%
g	6.0 R.M.S.	50 V A.C. 50 c/s	= Va		Emission (mA)	90	-	100%
	Iag measured on moving coil milliammeter							

NOTE

1. Voltages Va and Vg are given with respect to the centre-part of the filament transformer.