

VALVE ELECTRONIC **CV1168**ADMIRALTY SIGNAL ESTABLISHMENT

(NR44, POVTM 31)

Specification AD/CV1168/Issue 3. Dated 16.7.47. To be read in conjunction with K1001.	<table border="1"> <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>Unclassified</td></tr> </table>	<u>SECURITY</u>		<u>Specification</u>	<u>Valve</u>	Restricted	Unclassified
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<u>TYPE OF VALVE:-</u> Output Triode.				<u>MARKING</u>		
<u>CATHODE:-</u> Directly Heated.				See K1001/4.		
<u>ENVELOPE:-</u> Glass, unmetallised.				<u>BASE AND CONNECTIONS</u>		
<u>PROTOTYPE:-</u> PK4.				B ₄		
<u>RATING</u>				See K1001/AIV/D5.		
			Note	Pin	Electrode	
Filament Voltage	(V)	4.0	A A B	1	Anode	
Filament Current	(A)	1.0		2	Grid	
Max. Anode Voltage	(V)	300		3	Filament	
Anode Current	(mA)	50		4	Filament	
Max. Anode Dissipation	(W)	15		<u>DIMENSIONS</u>		
Mutual Conductance	(mA/V)	6.0		See K1001/AI/D1.		
Amplification Factor		5		Dimension	Min.	Max.
Power Output	(W)	3.5		A mm	-	152
				B mm	-	64
<u>CAPACITANCES (pF. approx.)</u>				<u>PACKAGING</u>		
C _{ag}		13.7	See K1005.			
C _{gf}		7.7				
C _{af}		3.9				

NOTES

- A. Measured at $V_a = 100$ V, $V_g = 0$ V.
- B. Measured at $V_a = 300$ V, $V_g = -42$ V. This value applies for a total of 5% total harmonic distortion.

TESTS

To be performed in addition to those applicable in K1001.

	Test Conditions				Test	Limits		No. Tested
	Vf (V)	Va (V)	Vg (V)	Ia (mA)		Min.	Max.	
a	4.0	-	-	-	If (A)	0.9	1.1	100%
b	4.0	250		60	Vg (V)	-28	-36	100%
c	4.0	250	-0.5 to 0.5	60	gm (mA/V)	4.0	7.5	100%
d	4.0	250		60	Reverse Ig (μ A)	-	4.0	100%