

VALVE ELECTRONIC**CV1220**
(NT37)ADMIRALTY SIGNAL ESTABLISHMENT

Specification AD/CV1220/Issue 3 Dated 24.4.46. 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>Restricted</td></tr> </table>	<u>SECURITY</u>		<u>Specification</u>	<u>Valve</u>	Restricted	Restricted
<u>SECURITY</u>							
<u>Specification</u>	<u>Valve</u>						
Restricted	Restricted						

<u>TYPE OF VALVE:-</u> Triode					<u>MARKING</u>		
<u>CATHODE:-</u> Indirectly Heated.					See K1001/4.		
<u>ENVELOPE:-</u> Glass, unmetallised.							
<u>PROTOTYPE:-</u> 4033A.							
<u>RATING</u>				Note	<u>BASE</u>		
					British 5-pin.		
Heater Voltage	(V)	6.0			Pin	Connection	
Heater Current					1	Anode	
(Approx.)	(A)	1.5			2	Grid	
Anode Voltage (max.)	(V)	600			3	Heater	
Anode Watts (max.)	(W)	25			4	Heater	
Amplification Factor		15	A		5	Cathode	
Anode Impedance	(ohms)	1670	A				
Mutual Conductance	(mA/V)	9.0	A				
<u>NOTE</u>					<u>DIMENSIONS</u>		
A. At $V_a = 300 \text{ V}$, $I_a = 50 \text{ mA}$.					See K1001/AI/D1.		
					Dimension	Min.	Max.
					A mm		147
					B mm		58

TESTS

To be performed in addition to those applicable in K1001.

	Test Conditions				Test	Limits		No. Tested
	Vf (V)	Vg (V)	Va (V)	Ia (mA)		Min.	Max.	
a	6.0	0	0	-	If (A)	1.2	1.5	100% or S
b	6.0	-20	400		Ia (mA)	30	80	100%
c	6.0	-40	400		Ia (mA)	-	2	100%
d	6.0	-21	400		Ia : difference from value in test 'b', (mA)	7		100%
e	6.0	Ad- just- ed.	300	Value as in test 'b'	Vg (V)	-12	-15	100% or S
f	6.0	Ad- just- ed.	400	75	Reverse Ig (μ A) after 2 mins.	-	4	100%