

VALVE ELECTRONIC

CV1220

(NT37)

ADMIRALTY SIGNAL ESTABLISHMENT

Specification AD/CV1220/Issue 3 Dated 24.4.46. To be read in conjunction with K1001.	<u>SECURITY</u>	
	<u>Specification</u> Restricted	<u>Valve</u> 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>			<u>BASE</u>		
			Note British 5-pin.		
Heater Voltage (V)	6.0		Pin	Connection	
Heater Current (Approx.) (A)	1.5		1	Anode	
Anode Voltage (max.) (V)	600		2	Grid	
Anode Watts (max.) (W)	25		3	Heater	
Amplification Factor	15	A	4	Heater	
Anode Impedance (ohms)	1670	A	5	Cathode	
Mutual Conductance (mA/V)	9.0	A	<u>DIMENSIONS</u>		
<u>NOTE</u>			See K1001/AI/D1.		
A. At $V_a = 300$ V, $I_a = 50$ mA.			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%