

VALVE ELECTRONIC

CV1241
(NT68)

ADMIRALTY SIGNAL ESTABLISHMENT

Specification AD/CV1241/Issue 3. Dated 11.11.46. To be read in conjunction with K1001	<u>SECURITY</u>	
	<u>Specn.</u> Restricted	<u>Valve</u> Unclassified

<u>TYPE OF VALVE:-</u> High vacuum, Low-power transmitting triode. <u>CATHODE:-</u> Directly heated. <u>ENVELOPE:-</u> Glass.			<u>MARKING</u> See K1001/4.		
<u>RATING</u>		Note	<u>BASE</u> B4 See K1001/AIV/D5.1		
Filament Voltage (V)	4.0		Pin	Electrode	
Filament Current (A)	1.0				
Maximum Anode Voltage (V)	400		1	Anode	
Maximum Anode Dissipation (W)	20		2	Grid	
Amplification Factor	5	A	3	Filament	
Mutual Conductance (mA/V)	3.0	A	4	Filament	
Anode Impedance (ohms)	1700	A			
<u>NOTE</u> A. $V_a = 150 \text{ V}$, $V_g = 0 \text{ V}$.			<u>DIMENSIONS</u> See K1001/AI/D1		
			Dimensions	Min.	Max.
			A mm	-	137
			B mm	-	52
			<u>PACKING</u> See K1001/7		

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	See K1001/AIII				Capacitance Oge (pF)	8.0	9.8	1% (20)
	Pins to H.P.	Pins to L.P.	Pins to E					
	2	1, 3, 4	-					
b	4.0 D.C.	-	-	-	If (A)	1.0	1.2	100%
c	4.0	400	Ad-justed	50	i. -Vg (V)	-	80	100%
	For 10 mins.				ii. Vg variation after 1st minute (V)	-	5.0	
					iii. -I _g at end of test (μA)	-	5.0	
d	4.0	150	0	x	Ia (mA)	60	90 (to be noted)	100%
e	4.0	150	-5	y	x - y (mA)	13.5	18.5	100%
f	4.0	Ad-justed	-5	x as in test 'd'	Va (V)	170	180	100%
g	Valve operated in W/T set, Va supplied = 400 V. Freq. (max.) = 20 Mc/s for ten minutes.				Operational test.	No defect must appear. Valve must operate satisfactorily.		1% (20)