ADMIRALTY SIGNAL ESTABLISHMENT

VALVE ELECTRONIC

CV1242
(NT68A)

Specification AD/CV1242/Issue 3. Dated 11.11.46 To be read in conjunction with K1001.	SECURITY Specn. Restricted | Valve Unclassified

TYPE OF VALVE : High-vacuum low-power transmitting triode.

CATHODE : Directly heated.

ENVELOPE : Glass.

MARKING

See K1001/4.

RATING

			Note
Filament Voltage	(V)	4.0	
Filament Current	(A)	1.0	
Max. Anode Voltage	(V)	400	
Max. Anode Dissipation	(W)	20	
Amplification Factor		5	A
Mutual Conductance	(mA/V)	3.0	A
Anode Impedance	(ohms)	1700	A

BASE

B4

See K1001/AIV/D5.1

Pin	Electrode
1	Anode
2	Grid
3	Filament
4	Filament

NOTE

A. Va = 150 V, Vg = 0 V.

DIMENSIONS

See K1001/AI/D1.

Dimension	Min.	Max.
A mm	-	137
B mm	-	52

PACKING

See K1001/7.

TESTS.

To be performed in addition to those applicable in K1001.

	Test Conditions. Vf (V)	Va (V)	Vg (V)	Ia (mA)	Test	Limits Min.	Limits Max.	No. Tested
a	See K1001/AIII.				Capacitance			
	Pins to H.P.	Pins to L.P.		Pins to E	Cge (pF)	8.0	9.8	1% (20)
	2	1, 3, 4		-				
b	4.0 D.C.	-	-	-	If (A)	1.0	1.2	100%
c	4.0	400	Adjusted	50	i. -Vg (V)	-	80	100%
	For 10 mins.				ii. -Vg variation after 1st minute (V)	-	5.0	
					iii. -Ig at end of test (μA)	-	5.0	
d	4.0	150	0	x	Ia (mA)	60 (to be noted)	90	100%
e	4.0	150	-5	y	x - y (mA)	13.5	18.5	100%
f	4.0	Adjusted	-5	x as in test 'd'	Va (V)	170	180	100%
g	4.0	600	-225	-	Ia cut-off (mA)	-	0.5	100%
h	Valve operated in W/T Set, Va supplied = 400V. Freq. (max.) = 20 Mc/s for ten minutes.				Operational test	No defect must appear. Valve must operate satisfactorily.		1% (20)