VALVE ELECTRONIC CV2398.

ADMIRALTY SIGNAL AND RADAR ESTABLISHMENT

Specification AD/CV2398 Issue No. 1 dated 4.12.56. To be read in conjunction with K1001 ignoring Clause 5.8, and B.S.1409	SECURITY	
	Specification	Valve
	Unclassified	Unclassified

TYPE OF VALVE: Noise Diode for frequencies up to 500 Mc/s.

CATHODE: Directly Heated, Tungsten.

ENVELOPE: Glass.

PROTOTYPE: VX3518.

MARKING

See K1001/4

BASE

B9a/F

RATINGS

All limiting values are absolute.

			Notes
Max. Filament Voltage	(V)	6.0	A
Filament Current (nom.) at Vf = 6V.	(A)	1.15	
Min. Saturated Anode Current at Vf = 5.6V.	(mA)	45	B
Max. Anode Voltage	(V)	200	
Max. Anode Dissipation	(W)	3.5	

CONNECTIONS

Lead	Electrode
1	a
2	IC
3	a
4	f
5	f
6	a
7	IC
8	a
9	IC

CAPACITANCE (pF)

c_a, f (max.)	3.0

DIMENSIONS

See K1001/A.1/D.11

Dimension (mm)	Min.	Max.
A	-	49.0
B	19.0	22.2
D	35.0	-

NOTES

A. The value of the saturated Ia is determined by the value of Vf. At the max. Vf of 6V the life of the filament is only about 25 hours.

B. The design of the valve is such that a saturated anode current of at least 45 mA is obtained at Va = 50V.

TESTS

CV2398. To be performed in addition to those applicable in K1001.

	Test Conditions			Test		Limits		No. Tested	Note
						Min.	Max.		
a	Links to HP: 1,3,6,8	Links to LP: 4,5	Links to F: 2,7,9,10 TC1,TC2	CAPACITANCE Ca,f	(pF)	-	3.0	6 per week.	
	Vf (V)	Va (V)							
b	6.0	0		If	(A)	1.08	1.22	100%	
c	6.0	25		Ia	(mA)	38	-	100%	
d	6.0	50		Ia	(mA)	60	-	100%	
e	5.6	50		Ia	(mA)	45	55	100%	