ADMIRALTY SIGNAL & RADAR ESTABLISHMENT

VALVE ELECTRONIC CV258

Specification AD/CV258 Issue No. 4 Dated : 24.1.55. To be read in conjunction with K1001 ignoring clauses:- 5.2, 5.8.	SECURITY Specification: Unclassified Valve: Unclassified

→ Indicates a change

TYPE OF VALVE:- Diode of "axial" type for use down to 9 cms
CATHODE:- Indirectly heated.
ENVELOPE:- Glass - clear.
PROTOTYPE:- CV58 to different test limits.

MARKING

See K1001/4

RATING

			Note
Heater Voltage	(V)	6.3	A
Heater Current	(A)	0.36	
Min. Conductance	(mA/V)	0.75	B

BASE

Concentric fitting, consisting of cathode tube and filament pin, for use with coaxial line. Anode connection to pin at other end of valve. See page 2.

DIMENSIONS

See drawing, Page 2. ←

NOTES

A. Within limits + 0.2 to - 0.4 V. The anode-cathode clearance varies with cathode temperature, and these limits should not be exceeded in operation or some fall in performance as a mixer will result.

B. At Ia = 1.0 mA.

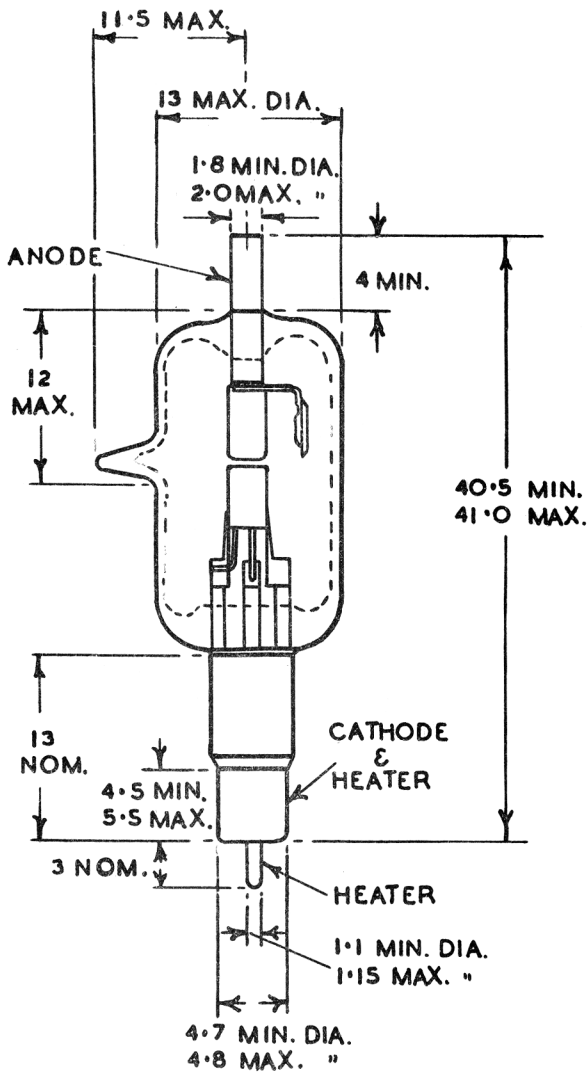
TESTS

To be performed in addition to those applicable in K1001

	Test Conditions		Test	Limits		No. Tested
	Vh (V)	Ia (mA)		Min.	Max.	
a	6.3	-	Ih (A)	0.335	0.385	100%
b	6.3	1.0	Conductance (mA/V)	0.75	-	100%
	Slope to be measured with max. change in Va of ± 0.1 V. R.M.S.					
c	Peak emission measured with Va = 200V, Tp = 2 μ secs PRF = 500 p.p.s.		Peak emission (mA)	60	-	100%

NOTE

Valves failing test 'b' and 'c' above will be accepted provided they operate satisfactorily in approved HF equipment (e.g. A.S.R.E. Type G93 Monitor Unit)



ALL DIMENSIONS IN MILLIMETRES.