ADMIRALTY SIGNAL & RADAR ESTABLISHMENT

VALVE ELECTRONIC CV58

Specification AD/CV58/Issue 6. Dated 24.1.55. To be read in conjunction with K1001 ignoring clauses :- 5.2, 5.8.	SECURITY	
	Specification	Valve
	Unclassified	Unclassified

→ Indicates a change

TYPE OF VALVE:- Diode of "axial" type for use down to 9 cms.
CATHODE:- Indirectly heated.
ENVELOPE:- Glass - clear
PROTOTYPE:- E1273.

MARKING

See K1001/4.

BASE

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

DIMENSIONS

See Page 2.

RATING			Notes
Heater Voltage	(V)	6.3	A
Heater Current	(A)	0.36	
Minimum Conductance	(mA/V)	1.8	B

NOTES

A. Within limits + 0.2, - 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 mA.

C. The tests given below are designed to ensure satisfactory operation at a wavelength of 50 cms. If operation at 10 cms is envisaged, an oscillatory test will be included.

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)	1.8	-	100%
	Slope to be measured with max. change in Va of ± 0.1 V R.M.S.					

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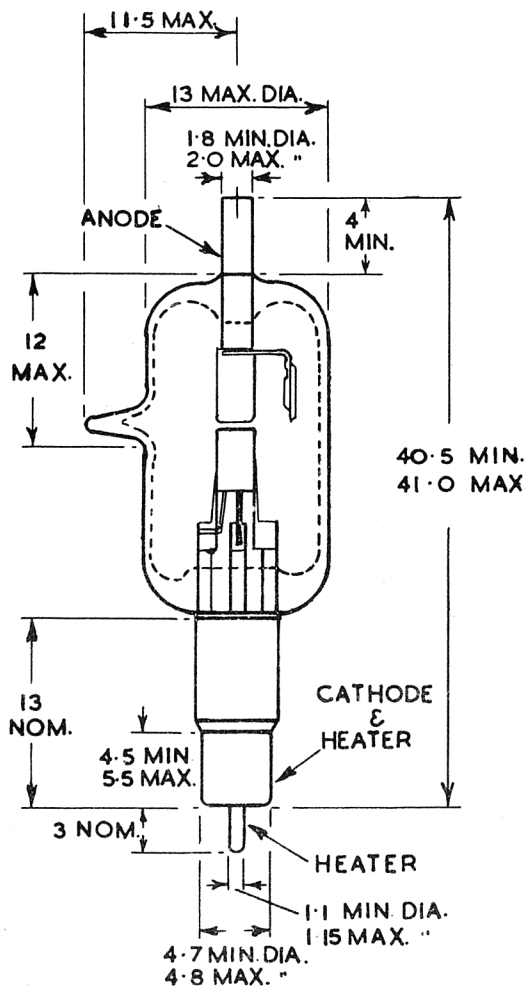

ALL DIMENSIONS IN MILLIMETRES