

ADMIRALTY SIGNAL & RADAR ESTABLISHMENT

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

→ Indicates a change

<u>TYPE OF VALVE</u> :- Diode of "axial" type for use down to 9 cms Indirectly heated.		<u>MARKING</u> See K1001/4	
<u>CATHODE</u> :- <u>ENVELOPE</u> :- <u>PROTOTYPE</u> :-		Glass - clear. CV58 to different test limits.	
<u>RATING</u>		Note	<u>BASE</u> 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.
Heater Voltage (V)	6.3	A	<u>DIMENSIONS</u> See drawing, Page 2.
Heater Current (A)	0.36	B	
Min. Conductance (mA/V)	0.75		
<u>NOTES</u>			
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 $I_a = 1.0$ mA.			

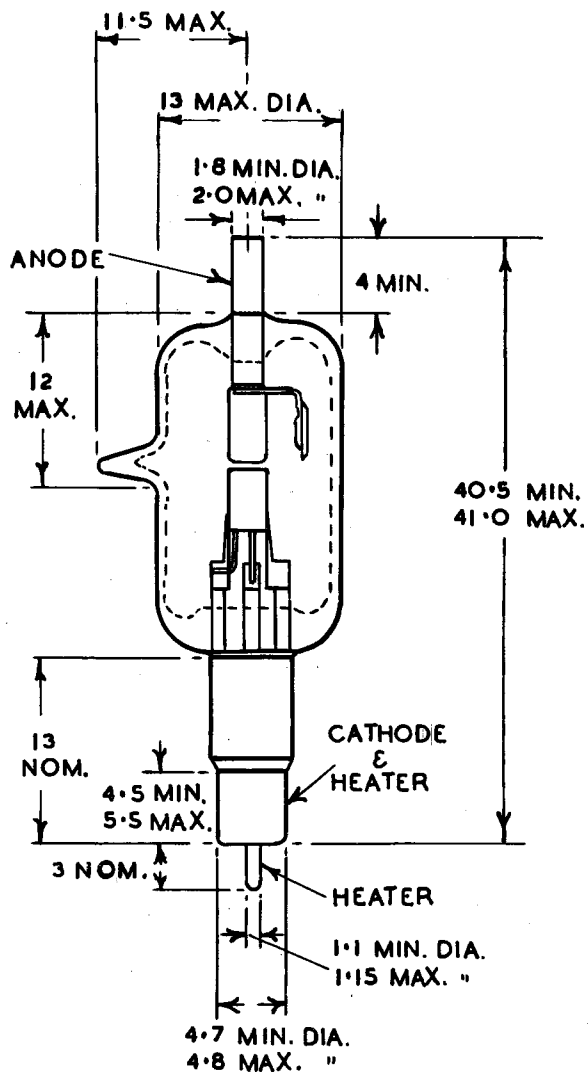
TESTS

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 pps		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.