

ADMIRALTY SIGNAL ESTABLISHMENT

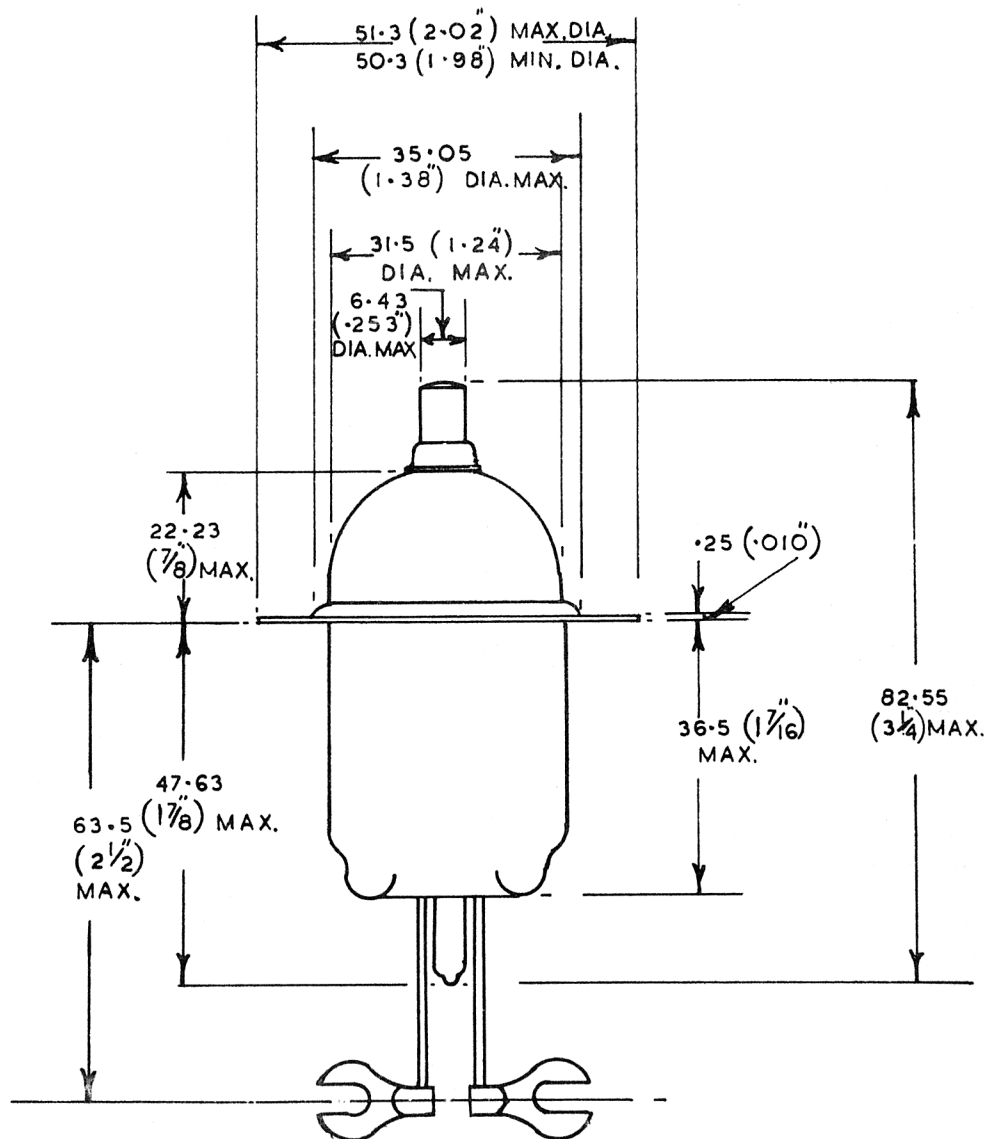
Specification AD/CV53/Issue 4. Dated 10.3.47. To be read in conjunction with K1001, ignoring clauses:- 5.2; 5.3.			<u>SECURITY</u> <table border="1"> <tr> <td><u>Specn.</u> Restricted</td> <td><u>Valve</u> Unclassified</td> </tr> </table>		<u>Specn.</u> Restricted	<u>Valve</u> Unclassified
<u>Specn.</u> Restricted	<u>Valve</u> Unclassified					
<u>TYPE OF VALVE:-</u> UHF triode with grounded grid. <u>CATHODE:-</u> Indirectly heated. Oxide coated on one side only. Cathode strapped to one heater lead. <u>ENVELOPE:-</u> Glass, unmetallised. <u>PROTOTYPE:-</u> S26A.			<u>MARKING</u> See K1001/4.			
<u>RATING</u>		<u>Note</u>	<u>DIMENSIONS AND CONNECTIONS</u> See Fig.1.			
Heater Voltage (V) Heater Current (A) Max. Anode Voltage (V) Grid Autobias Resistance (Ohms) Max. Anode Dissipation (W) Amplification Factor Mutual Conductance (mA/V) Operating Frequency (Mc/s)	4.0 0.65 350 150 2 100 5 50-450	 A B B	<u>NOTES</u> A. With adequate cooling. B. At $V_h = 4.0$ V, $V_a = 250$ V, V_g autobias resistance = 150 ohms.			
<u>CAPACITANCES (pF.)</u> Cag Cgc Cac		1.7 4.0 0.035	<u>PACKING</u> See K1001/7.			

TESTS

To be performed in addition to those applicable in K1001.

	Test Conditions			Test	Limits		No. Tested
	Vh (V)	Va (V)	Vg (V)		Min.	Max.	
a	4.0	0	0	Ih (A)	0.575	0.725	100%
b	4.0	250	auto-	Ia (mA)	3.75	9.0	100%
c	4.0	250	bias thro'	Slope (Dynamic measurement) (mA/V)	4.5	-	100%
d	4.0	250	150 (ohms)	Amplification factor (Dynamic measurement)	85	-	100%
e	4.0	300	-1	Reverse Ig (μA)	-	1.0	100%
f	0	0	0	Capacitances (pF.)			
	With valve cold and earthed shield around bulb.			i. Cag	-	1.9	6
				ii. Cgc	3.0	5.5	per week
				iii. Cac		0.045	T.A.
g	Valve tested in approved apparatus.			Equivalent noise Resistance (ohms)	-	700	100%

FIG 1.

CONNECTIONS

ANODE.-----TOP CAP.
FILAMENT.-----FLEXIBLE LEADS,
CATHODE.-----CONNECTED TO ONE FILAMENT LEAD
THE SPADE ON THIS LEAD TO BE
PAINTED RED.

ALL DIMENSIONS ARE IN MILLIMETRES, EXCEPT WHERE OTHERWISE STATED.