

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>	
	<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.
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<u>RATING</u>		Note	<u>DIMENSIONS AND CONNECTIONS</u>
Heater Voltage (V)	4.0		
Heater Current (A)	0.65		
Max. Anode Voltage (V)	350		
Grid Autobias Resistance (Ohms)	150		
Max. Anode Dissipation (W)	2	A	
Amplification Factor	100	B	
Mutual Conductance (mA/V)	5	B	
Operating Frequency (Mc/s)	50-450		
			<u>NOTES</u>

			A. With adequate cooling.
			B. At $V_h = 4.0$ V, $V_a = 250$ V, $V_g$ autobias resistance = 150 ohms.

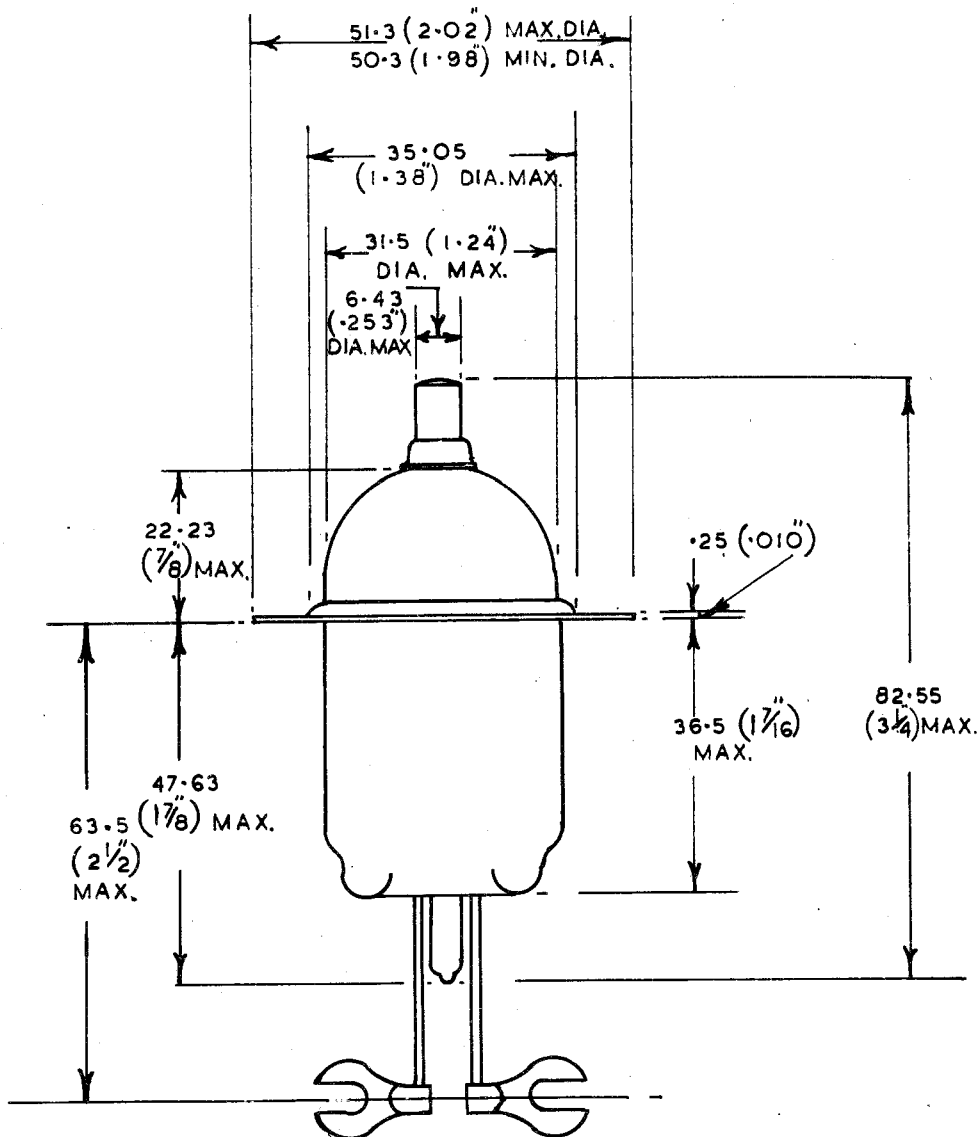
<u>CAPACITANCES (pF.)</u>		<u>PACKING</u>
$C_{ag}$	1.7	
$C_{gc}$	4.0	
$C_{ac}$	0.035	

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 per week
				ii. Cgc	3.0	5.5	
			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,