

Specification AD/CV88/Issue 5. Dated 13.11.46. 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> :- U.H.F. Triode, for use as grounded grid amplifier at 600 Mc/s.	<u>MARKING</u> See K1001/4.
<u>CATHODE</u> :- Indirectly heated, oxide coated.	
<u>ENVELOPE</u> :- Glass, unmetallised.	
<u>PROTOTYPE</u> :- S28A.	

<u>RATING</u>		Note	<u>BASE</u>
Heater Voltage (V)	6.3		See Fig. 1.
Heater Current (A)	0.4		
Max. Anode Voltage (V)	350		<u>CONNECTIONS</u>
Max. Anode Dissipation (W)	2	A	See Fig. 1.
Max. Anode Dissipation (W)	3	B	
Amplification Factor	100	B	<u>DIMENSIONS</u>
Mutual Conductance (mA/V)	5	B	See Fig. 1.
<u>CAPACITANCES (pF).</u>			
Cag (max.)	1.8	C	See K1001/7.
Cgc (nom.)	4.0	C	
Cac (max.)	0.05	C	

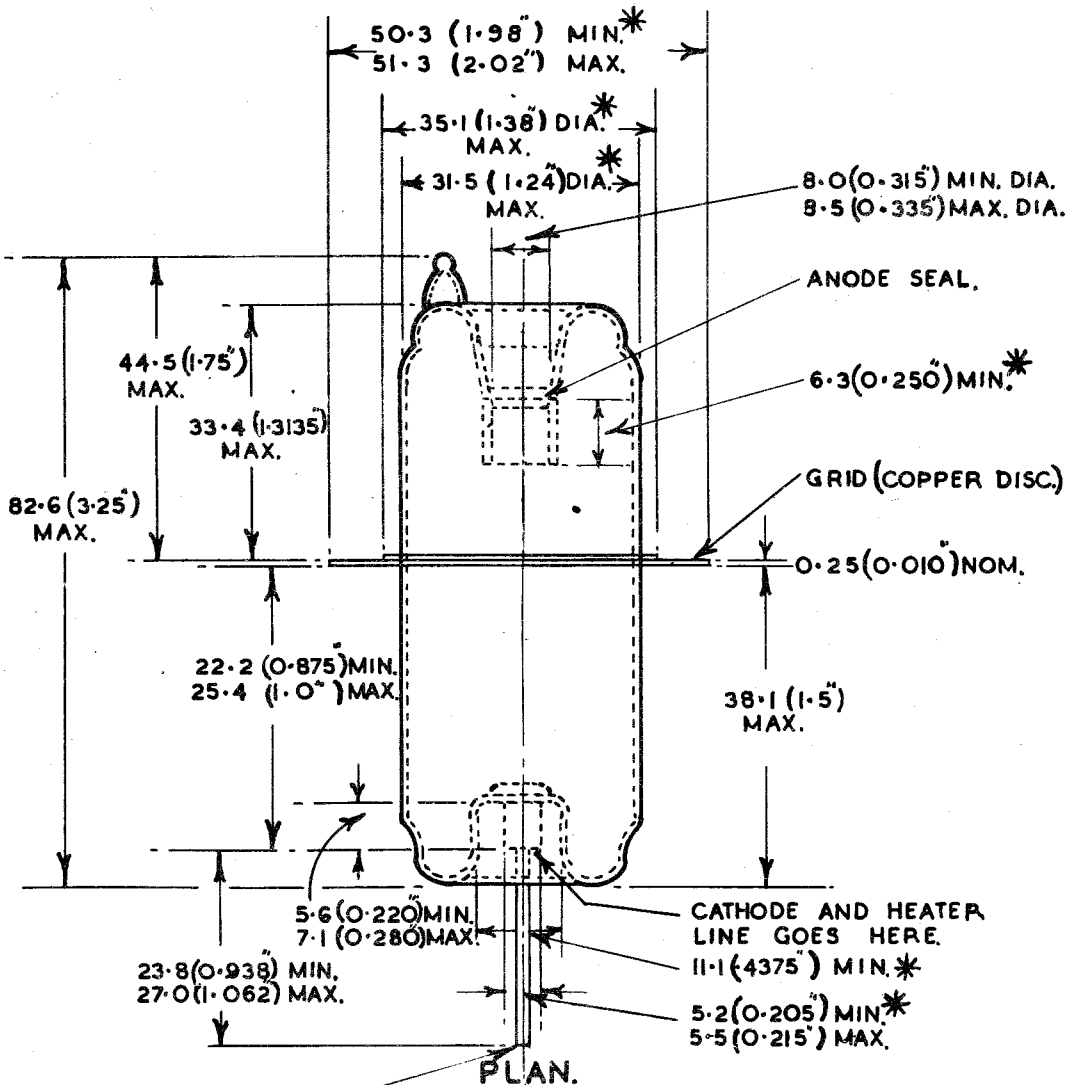
NOTES

- A. With adequate cooling.
- B. With $V_a = 250$ V, V_g autobias resistance = 150 ohms.
- C. Measured with earthed screens fitted over each end of the glass envelope.

TESTS

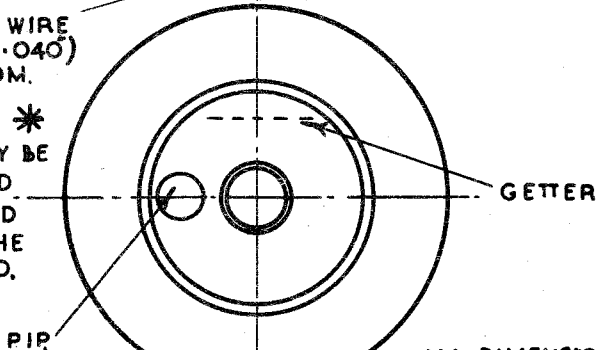
To be performed in addition to those applicable in K1001.

	<u>Test Conditions</u>			Test	<u>Limits</u>		No. Tested
	V_h (V)	V_a (V)	V_g (V)		Min.	Max.	
a	6.3	-	-	I_h (A)	0.35	0.45	100%
b	6.3	300	-1	Reverse grid current (mA)	-	1.5	100%
c	6.3	250	Autobias	I_a (mA)	3.75		100%
d	6.3	250	through	Amplification Factor	85		100%
e	6.3	250	150	Mutual Conductance (mA/V)	4.5		100%
f	Capacitances See Note C.			(i) Cag	-	1.8	6
				(ii) Cgc	3.0	5.5	per
				(iii) Cac (pF)	-	0.05	week



'CUNIFÉ' WIRE
1.016 (0.040")
DIA. NOM.

NOTE:-
DIMNS. MARKED THUS *
NEED NOT NORMALLY BE
INSPECTED, PROVIDED
THEY ARE GUARANTEED
BY INSPECTION OF THE
MATERIALS EMPLOYED.



ALL DIMENSIONS IN MILLIMETRES
EXCEPT WHERE OTHERWISE STATED.