

Specification AD/CV88/Issue 5. Dated 13.11.46. To be read in conjunction with K1001, ignoring clauses:- 5.2, 5.3.	<table border="1"> <tr> <th colspan="2">SECURITY</th></tr> <tr> <td>Specn.</td><td>Valve</td></tr> <tr> <td>Restricted</td><td>Unclassified</td></tr> <tr> <td>Under</td><td></td></tr> </table>	SECURITY		Specn.	Valve	Restricted	Unclassified	Under	
SECURITY									
Specn.	Valve								
Restricted	Unclassified								
Under									

<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>			<u>Note</u>	<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		See Fig. 1.
Max. Anode Dissipation	(W)	3	A	
Amplification Factor		100	B	<u>DIMENSIONS</u>
Mutual Conductance	(mA/V)	5	B	See Fig. 1.
<u>CAPACITANCES (pF).</u>				<u>PACKING</u>
C _{ag} (max.)		1.8	C	See K1001/7.
C _{gc} (nom.)		4.0	C	
C _{ac} (max.)		0.05	C	

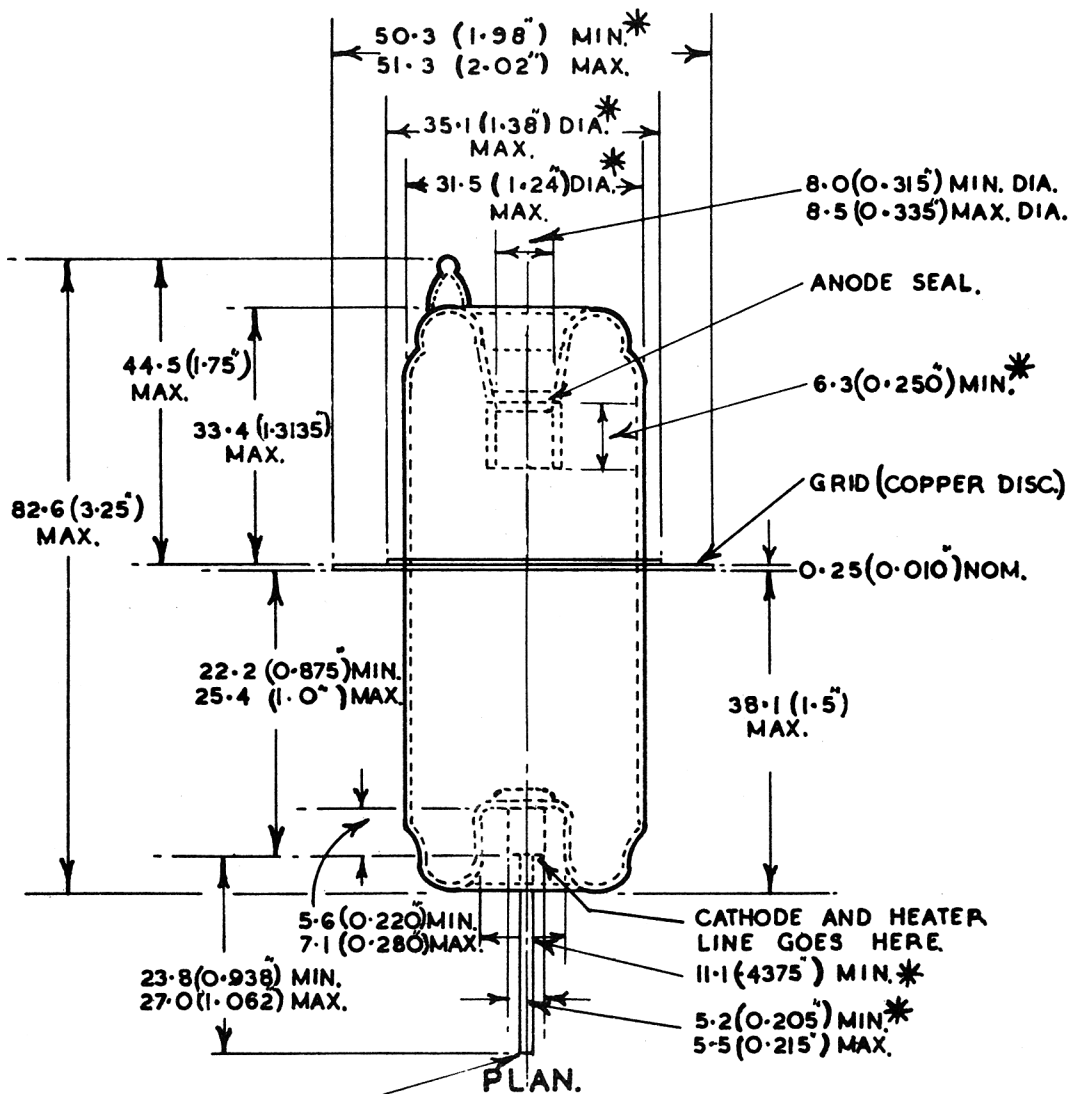
NOTES

- 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

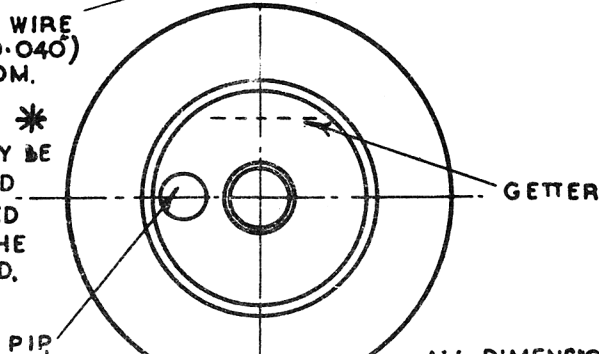
To be performed in addition to those applicable in K1001.

	Test Conditions			Test	Limits		No. Tested
	Vh (V)	Va (V)	Vg (V)		Min.	Max.	
a	6.3	-	-	Ih (A)	0.35	0.45	100%
b	6.3	300	-1	Reverse grid current (μA)	-	1.5	100%
c	6.3	250	Autobias	Ia (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 per week
				(ii) Cgc	3.0	5.5	
				(iii) Cac (pF)	-	0.05	



'CUNIFE' 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.