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MINISTRY OF SUPPLY (S.R.D.E.)

VALVE ELECTRONIC

CV6

Specification No. MOS/CV6/4

Dated 25.9.45.

To be read in conjunction with K1001.

SECURITY

Specification Valve

Restricted Restricted

Indicates a change in class *Unclass.*

TYPE OF VALVE : Triode
CATHODE : Indirectly heated
ENVELOPE : Non-metallised
COMMERCIAL PROTOTYPE : M.O.V. E.1148

MARKING

As in K1001/4

RATING

Note

Heater Voltage	(V)	6.3	
Heater Current	(A)	0.2	
Anode Voltage (max)	(V)	250	A
Anode Dissipation (max)	(W)	3.5	A
Anode Current	(mA)	14.0	B
Mutual Conductance	(mA/V)	3.0	B

CAPACITANCES (pF)

C _{ag}	2.15
C _{ge}	2.15
C _{ae}	0.8

BASE

I.O. 6-Pin

Pin Electrode

1	No connection
2	Heater
3	Pin omitted
4	No connection
5	No connection
6	Pin omitted
7	Heater
8	Cathode
TC1	Control Grid
TC2	Anode

NOTES

- A. When used as a self-oscillator under CW conditions.
B. At $V_h = 6.3$, $V_a = 250$, $V_g = -5.5$.

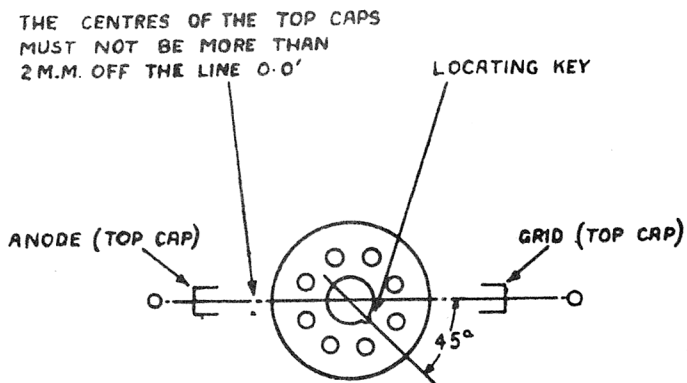
DIMENSIONS

See Drawing Page 3

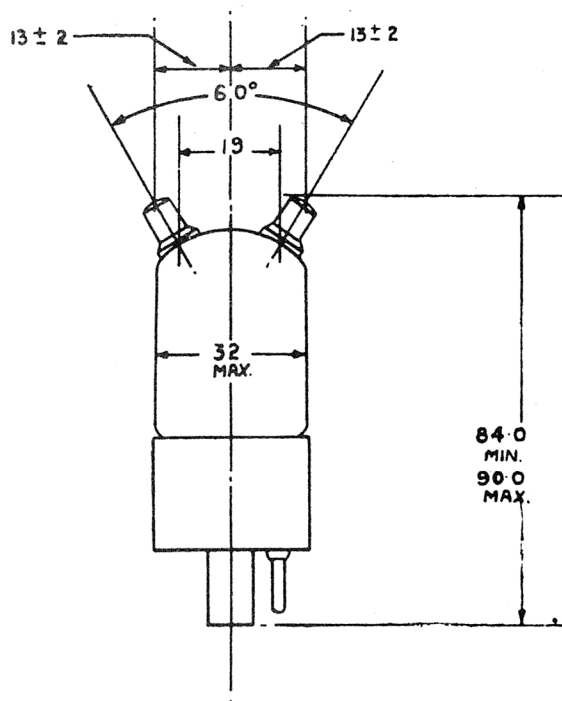
TESTS

To be performed in addition to those applicable in K1001

To be performed in addition to those applicable in MOV								
	Test Conditions			Test	Limits		No. Tested	
					Min.	Max.		
a	See K1001/AIII			Capacitances (pF)				
	Links to H.P.	Links to L.P.	Links to E.					
	TC2	TC1	1,2,3,4, 5,6,7,8, 9,10.	(i) Cag-	-	2.5	6 per week	
	TC2	2,7,8	1,3,4,5, 6,9,10, TC1.	(ii) Cae	-	1.3		
	TC1	2,7,8	1,3,4,5, 6,9,10, TC2	(iii) Cge	-	2.5		
b	Vh	Va	Vg	Ie	Th (A)	0.18	0.22	100% or S
c	6.3	-	-	-	Ia (mA)	9.8	18.2	100%
d	6.3	250	-5.5	-	gm (mA/V)	2.25	3.75	100%
e	6.3	250	-5.5	-	Rev. Ig (μA)	-	2.0	100%
f	6.3	Anode and grid strapped		80 mA	Voltage applied to anode and grid strapped	-	50	100%
g	H.F. Impedance Test The valve shall be tested in the approved apparatus. According to MOV/ Spec. TGB154.							100%



EXTERNAL VIEW.



ALL DIMENSIONS IN MILLIMETRES