

Specification MOSA/CV82 Issue 7 Dated 26.11.53 To be read in conjunction with K1001, excluding clause - 5.3	<u>SECURITY</u>	
	<u>Specification</u> UNCLASSIFIED	<u>Valve</u> UNCLASSIFIED

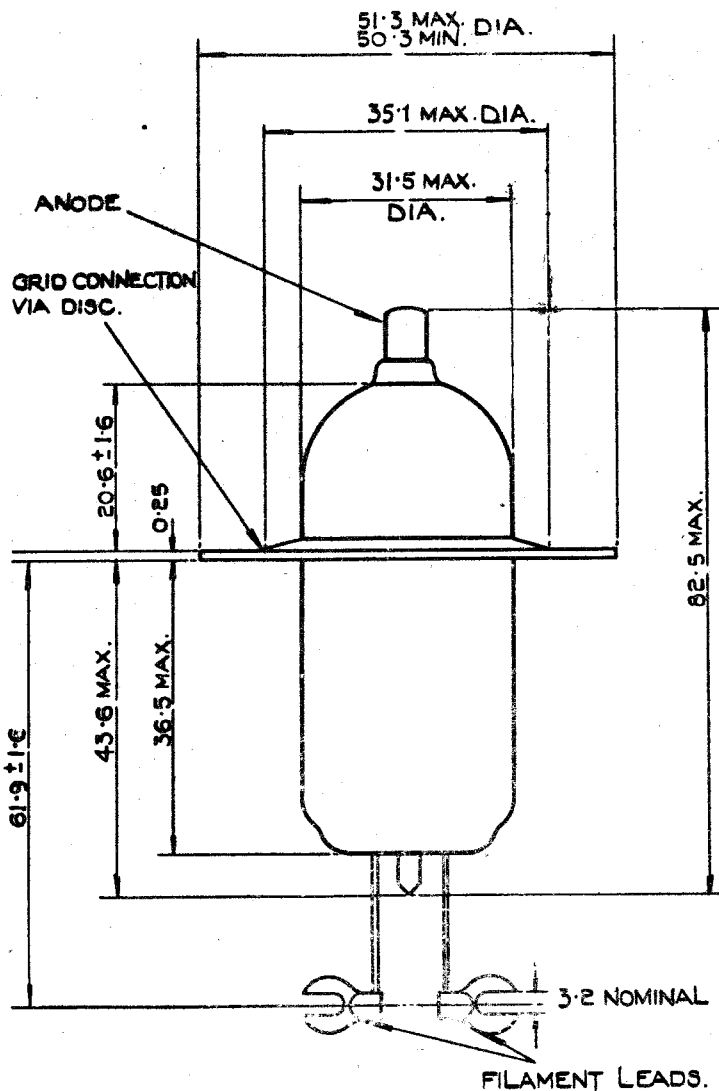
→ Indicates a change

TYPE OF VALVE - Grounded grid triode oscillator CATHODE - Indirectly heated CONSTRUCTION - Glass with copper disc seal PROTOTYPE - S.27A	<u>MARKING</u> See K1001/4 <u>BASE</u> None
<u>RATING</u> Heater Voltage (V) 4 Heater Current (A) 0.7 Max. Anode Voltage (V) 350 Max. Anode Dissipation (W) 6 Efficiency as Oscillator at 600 Mc/s 20% Max. Operating Frequency (Mc/s) 750 Max. Grid Dissipation (W) 0.5 Amplification Factor 34 Mutual Conductance (mA/V) 6	<u>PLUG TOP CAP</u> See K1001/A1/D5.2 <u>DIMENSIONS AND CONNECTIONS</u> See page 3
<u>NOTE</u> A. At $V_a = 250$, $V_g = -3$.	

To be performed in addition to those applicable in K1001

Test Conditions				Test	Limits		No. Tested	Note								
					Min.	Max.										
a See K1001/AIII Measured using adaptor Type 110 Ref. 10A/17826				Capacitances (pF)												
										Links to H.P.	Links to L.P.	Links to E	Gag	-	2.5	6 per week
										2	3	1,4,5,6,7,8,9,10,TC1,TC2				
										3	1	2,4,5,6,7,8,9,10,TC1,TC2				
2	1	3,4,5,6,7,8,9,10,TC1,TC2	Gae	0.4	0.7											
	Vh	Vg	Va	Ia(mA)												
b	4.0	0	0	-	Ih (A)	0.65	0.75	100%								
c	4.0	-	250	28	Ig at end of test and must not be rising (μA)	-	5.0	100%								
Maintained for 30 secs.																
d	4.0	-3	250	-	gm (mA/V)	3.75	-	100%								
e	4.0	-3	250	-	μ	22	45	100%								
f	4.0	Strapped		-	Peak Io (A)	1.0	-	100%								
Peak applied volts 300v. 2μsec. pulse and 50 p.r.f.																

NOTES



ALL DIMENSIONS IN MILLIMETRES.

NOTES.

1. THE ANODE CAP & GRID DISC SHALL BE CONCENTRIC TO WITHIN 2.0 MM
2. THE SPADE CONNECTOR ON THE FILAMENT LEAD TO WHICH THE CATHODE IS CONNECTED SHALL BE PAINTED RED.