

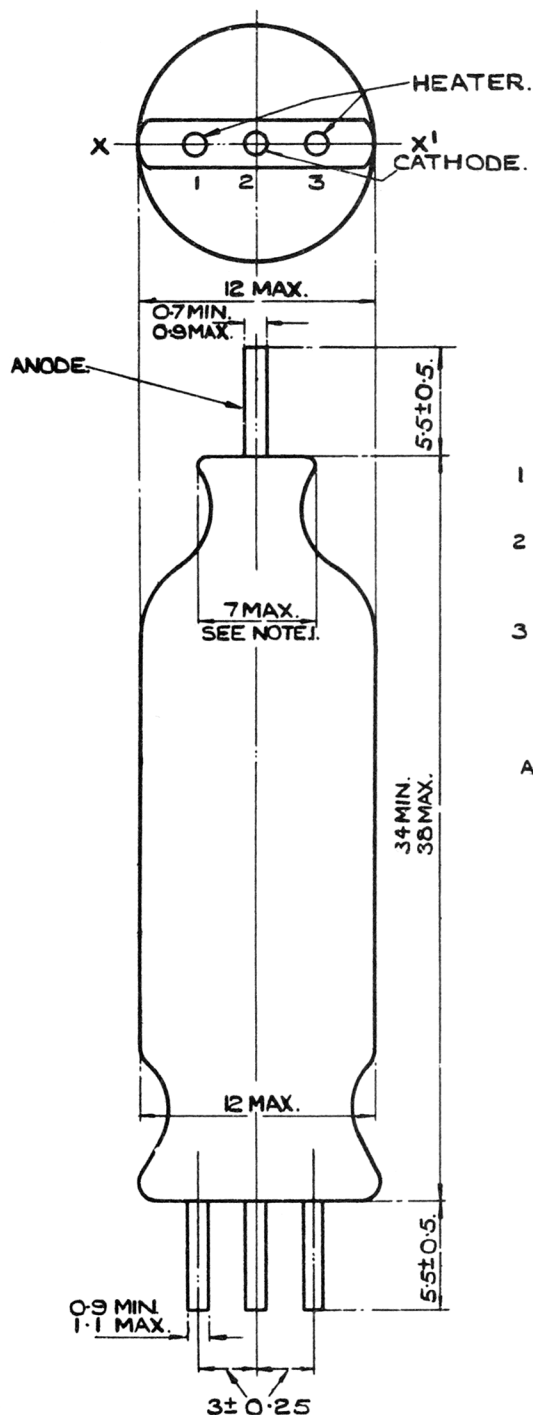
Specification MOSA/CV1092 Issue 9 Dated 12.6.53 To be read in conjunction with K.1001 ignoring clause 5.2	<u>SECURITY</u> <u>Specification</u> UNCLASSIFIED <u>Valve</u> UNCLASSIFIED
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—————→ Indicates a change

TYPE OF VALVE - Diode				<u>MARKING</u>	
CATHODE - Indirectly heated				See K.1001/4	
ENVELOPE - Glass - unmetallised				<u>BASE</u>	
PROTOTYPE - RA50, VR92				B.3.G.	
<u>RATING</u>			Note	<u>CONNECTIONS</u>	
				Pin	Electrode
Heater Voltage	(V)	6.3		1	Heater
Heater Current	(A)	0.15		2	Cathode
Max. Peak Anode Current	(mA)	50		3	Heater
Max. Mean Anode Current	(mA)	5.0		Top Wire	Anode
Max. Peak Inverse Voltage	(V)	350			
Max. H-C Voltage (D.C.) with C +ve to H.	(V)	150			
Max. H-C Voltage (D.C.) with H +ve to C.	(V)	75		<u>DIMENSIONS</u>	
<u>CAPACITANCES (pF. approx.)</u>				See drawing on page 3.	
Cac		1.6			
Cah		0.5			

To be performed in addition to those applicable in K1001

Test Conditions				Test	Limits		No. Tested	Note
					Min.	Max.		
a	See K1001/A III			<u>CAPACITANCES (pF)</u>				
	Links to H.P.	Links to L.P.	Links to E.					
	TC1	2	1,3,4,5,6,7,8,9,10, TC2	(1) C _{ac}	-	2.0	6 per week	
	TC1	1,3	2,4,5,6,7,8,9,10, TC2	(2) C _{ah}	-	1.0		
b	See K1001/5.3			H-C Leakage Current (μ A)	-	17	100%	
c	V _h	V _a					100% or S	
	6.3	0		I _h (A)	0.135	0.175		
d	6.3	-100		A to C + H Leakage Current (μ A)	-	0.5	100%	
e	6.3	-0.2		I _a (μ A)	5.0	-	100%	
f	6.3	-1.0		I _a (μ A)	-	5.0	100%	
g	6.3	10		I _a (mA)	34	-	100%	



NOTES

- 1 THIS DIMENSION MUST BE HELD OVER DEPTH OF 2.5 MIN.
- 2 THE CENTRE POINTS OF THE PINS MAY NOT DEVIATE MORE THAN 0.5 FROM THE LINE X-X'
- 3 PINS ARE TO BE PLATED OR DIPPED, SUBJECT TO APPROVAL. THE PINS ARE TO BE FREE FROM IRREGULARITIES AND BURRS.

ALL DIMENSIONS IN MILLIMETRES.

V_F	= 6.3 V.
I_F	= 0.15 A.
MAX. V_a PEAK	= 50 V.
" " PEAK INV.	= 500 V.
" MEAN I_a	= 5 mA.
" h/c VOLTAGE	= 50 V
" h/c RESISTANCE	= 20,000 Ω

