

Specification MOSA/CV2241 Issue 2 Dated 27.3.1953 To be read in conjunction with K1001 ignoring clauses 5.2, 5.8.	<u>SECURITY</u>	
	<u>Specification</u> UNCLASSIFIED	<u>Valve</u> UNCLASSIFIED

→ Indicates a change

TYPE OF VALVE - High vacuum. Half Wave Rectifier. CATHODE - Directly heated ENVELOPE - Glass, unmetallised PROTOTYPE - SN 956B	<u>MARKING</u>  See K1001/4																								
<u>RATING</u>	<u>BASE</u> None																								
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;"></td> <td style="width: 10%; text-align: center;">Note</td> <td style="width: 60%;"></td> </tr> <tr> <td>Filament Voltage (V)</td> <td style="text-align: center;">1.25</td> <td rowspan="12" style="vertical-align: middle; text-align: center;"> <u>CONNECTIONS AND DIMENSIONS</u>                       See Drawing on Page 3.                 </td> </tr> <tr> <td>Filament Current (A)</td> <td style="text-align: center;">0.14</td> </tr> <tr> <td>Max. applied RMS Voltage (kV)</td> <td style="text-align: center;">4.2</td> </tr> <tr> <td>Max. Working Peak Inverse Voltage (kV)</td> <td style="text-align: center;">10.0</td> </tr> <tr> <td>Max. No Load Peak Inverse Voltage (kV)</td> <td style="text-align: center;">12.0</td> </tr> <tr> <td>Max. Mean D.C. Rectifier Current (mA)</td> <td style="text-align: center;">2.0</td> </tr> <tr> <td>Max. Peak Anode Current (mA)</td> <td style="text-align: center;">12.0</td> </tr> <tr> <td>Max. Reservoir Condenser (µF)</td> <td style="text-align: center;">0.1</td> </tr> <tr> <td>Min. Limiting Resistance Introduced Externally (ohms)</td> <td style="text-align: center;">150,000</td> </tr> <tr> <td>Max. Supply Frequency (kc)</td> <td style="text-align: center;">400</td> </tr> </table>		Note		Filament Voltage (V)	1.25	<u>CONNECTIONS AND DIMENSIONS</u>  See Drawing on Page 3.	Filament Current (A)	0.14	Max. applied RMS Voltage (kV)	4.2	Max. Working Peak Inverse Voltage (kV)	10.0	Max. No Load Peak Inverse Voltage (kV)	12.0	Max. Mean D.C. Rectifier Current (mA)	2.0	Max. Peak Anode Current (mA)	12.0	Max. Reservoir Condenser (µF)	0.1	Min. Limiting Resistance Introduced Externally (ohms)	150,000	Max. Supply Frequency (kc)	400	
	Note																								
Filament Voltage (V)	1.25	<u>CONNECTIONS AND DIMENSIONS</u>  See Drawing on Page 3.																							
Filament Current (A)	0.14																								
Max. applied RMS Voltage (kV)	4.2																								
Max. Working Peak Inverse Voltage (kV)	10.0																								
Max. No Load Peak Inverse Voltage (kV)	12.0																								
Max. Mean D.C. Rectifier Current (mA)	2.0																								
Max. Peak Anode Current (mA)	12.0																								
Max. Reservoir Condenser (µF)	0.1																								
Min. Limiting Resistance Introduced Externally (ohms)	150,000																								
Max. Supply Frequency (kc)	400																								

To be performed in addition to those applicable in K1001

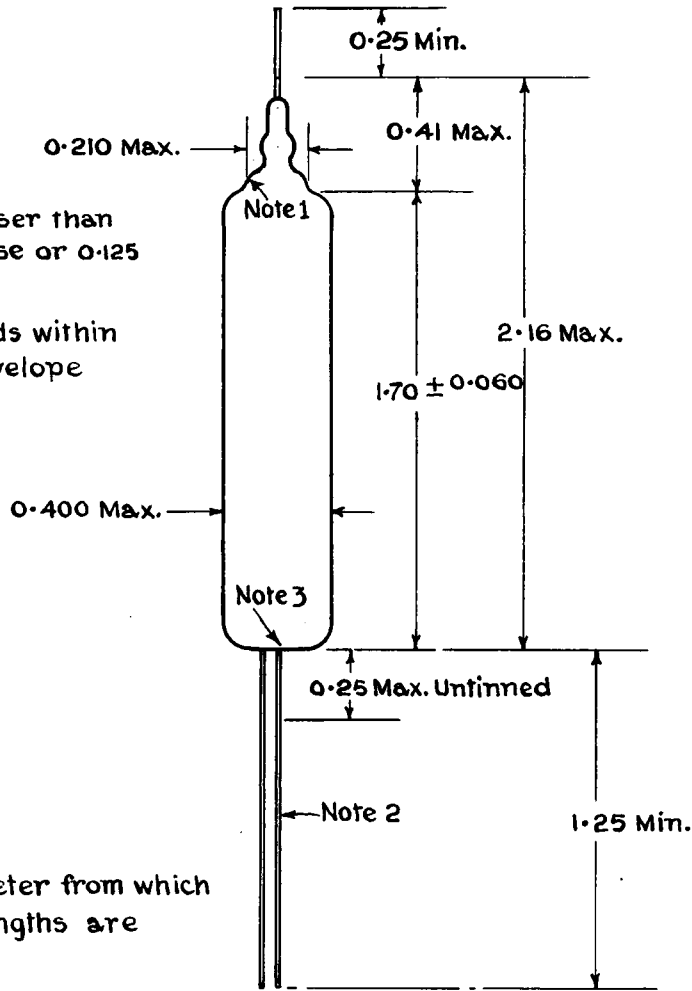
Test Conditions				Test	Limits		No Tested	Note
	Vf	Va	Ia		Min.	Max.		
a	1.25	0		If (mA)	126	154	100% or S	
b	1.25	Lead resistance = 2 Megohms Output Voltage = 4,000 Volts (Approx.) Freq. = 50 CPS Condenser = 0.1 $\mu$ F Limit Resistance = 150,000 ohms	2 mA	Lead Test (Note 1)			100%	
c	1.25	Vary	5.0mA	Va (V)		70.0	100%	

NOTES

1. Run for 10 minutes. Reject for softness or persistent flashover.

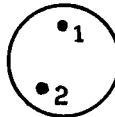
**Application:**

- 1 Do not solder closer than 0.250" to tube base or 0.125 to tube tip.
- 2 Do not bend leads within 0.062" of tube envelope



**Notes:**

- 1 Reference diameter from which tip and bulb lengths are determined
- 2 Leads diameter 0.015" ± 0.002"
- 3 Arrow indicates position of reference leads



1 ~ Filament  
 2 ~ Filament  
 Plate Top Lead