

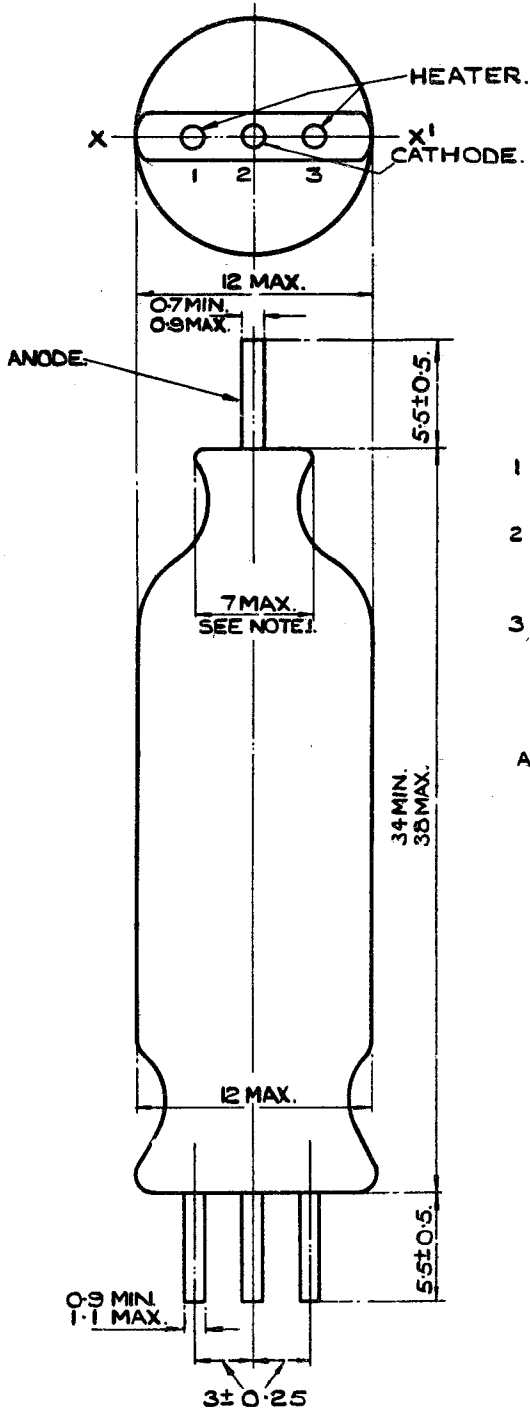
| | | |
|--|--------------------------------------|------------------------------|
| Specification MOSA/GV1092 Issue 9 Dated 12.6.53 To be read in conjunction with K.1001 ignoring clause 5.2 | <u>SECURITY</u> | |
| | <u>Specification</u> UNCLASSIFIED | <u>Valve</u> UNCLASSIFIED |

—————→ Indicates a change

| | | | | | |
|--|--|------|---|-----------|--|
| TYPE OF VALVE - Diode CATHODE - Indirectly heated ENVELOPE - Glass - unmetallised PROTOTYPE - RA50, VR92 | | | <u>MARKING</u> See K.1001/4 | | |
| | | | <u>BASE</u> B. J.G. | | |
| <u>RATING</u> | | Note | <u>CONNECTIONS</u> | | |
| Heater Voltage (V) 6.3 Heater Current (A) 0.15 Max. Peak Anode Current (mA) 50 Max. Mean Anode Current (mA) 5.0 Max. Peak Inverse Voltage (V) 350 Max. H-C Voltage (D.G.) with C +ve to H. (V) 150 Max. H-C Voltage (D.G.) with H +ve to C. (V) 75 | | | Pin | Electrode | |
| | | | 1 | Heater | |
| | | | 2 | Cathode | |
| | | | 3 | Heater | |
| | | | Top Wire | Anode | |
| <u>CAPACITANCES (pF. approx.)</u> | | | <u>DIMENSIONS</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> | | | 6 per week | |
| Links to H.P. | Links to L.P. | Links to E. | | | | | |
| TC1 | 2 | 1,3,4,5,6, 7,8,9,10, TC2 | | | | | |
| TC1 | 1,3 | 2,4,5,6,7, 8,9,10, TC2 | (1) C _{ac} | - | 2.0 | | |
| | | | (2) C _{ah} | - | 1.0 | | |
| b See K1001/5.3 | | | H-C Leakage Current (μA) | - | 17 | 100% | |
| c V _h | | V _a | I _h (A) | 0.135 | 0.175 | 100% or S | |
| 6.3 | | 0 | | | | | |
| d | 6.3 | -100 | A to C + H Leakage Current (μA) | - | 0.5 | 100% | |
| e | 6.3 | -0.2 | I _a (μA) | 5.0 | - | 100% | |
| f | 6.3 | -1.0 | I _a (μA) | - | 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.