MINISTRY OF SUPPLY D.L.R.D.(A)/R.A.E.

# VALVE ELECTRONIC CV1076

Specification MOSA/CV1076
Issue 1. Dated 22.11.53
To be read in conjunction with K.1001.

| SECURITY | |
|---|---|
| Specification | Valve |
| UNCLASSIFIED | UNCLASSIFIED |

→ Indicates a change

TYPE OF VALVE - Triode
CATHODE - Directly Heated
ENVELOPE - Glass, unmetallised
PROTOTYPE - DA4.1

**MARKING**

See K.1001/4.

**BASE**

American Medium 4 pin.

**RATING**

| | | | Note |
|---|---|---|---|
| Filament Voltage | (V) | 7.5 | |
| Filament Current | (A) | 3.10 | |
| Max. Anode Voltage | (V) | 1250 | |
| Max. Anode Dissipation | (W) | 40 | |
| Anode Impedance | (Ω) | 17,500 | A |
| Amplification Factor | | 62 | A |
| Mutual Conductance | mA/V | 3.6 | A |

**CONNECTIONS**

| Pin | Electrode |
|---|---|
| 1 | Filament |
| 2 | No Connection |
| 3 | Grid |
| 4 | Filament |
| Top Cap | Anode |

**CAPACITANCES (pF)**

| | |
|---|---|
| Cas | 1.8 |
| Cge | 10.0 |
| Cag | 5.9 |

**TOP CAP**

See Drawing on Page 2.

**DIMENSIONS**

See K.1001/A1/D1.

| Dimension | Min. | Max. |
|---|---|---|
| A (mm) | 145 | 172 |
| B (mm) | - | 62 |

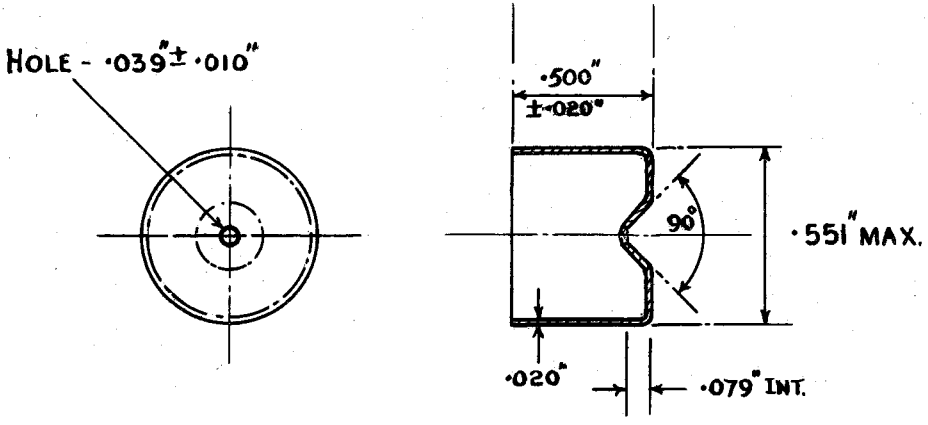
Diameter of valve not to exceed 55 m.m. up to a height of 51 m.m. from bottom of base.

**NOTES**

A. Measured at Va = 1000, Vg = 0.

To be performed in addition to those applicable in K.1001.

| | Test Conditions | | | | Test | Limits | | No. Tested | Note |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Min. | Max. | | |
| | Vf | Va(kV) | Vg | Ia(mA) | | | | | |
| a | 7.5 AC | 0 | 0 | - | If (A) | 2.85 | 3.35 | 100% or S | |
| b | - | 1.5 | 0 | 10 | Vf (V AC) | - | 4.5 | 100% | |
| c | 7.5 AC | 1.0 | 0 | - | Ia (mA) | 12 | 27 | 100% | |
| d | 7.5 AC | 1.0 | - | 40 | (1) Valve to be run for a period of 5 min. Ia change (mA) during this time. The test conditions shall then be altered to those of test d(2) | - | 4 | 100% | |
| | 7.5 AC | 2.0 | - | 20 | (2) Ig (μA) | - | 5 | 100% | |
| e | 7.5 AC | 400V | +80 | - | Ie (mA) | 230 | - | 100% | |
| f | 7.5 AC | 25V | 25 | - | Ig (mA) | 11 | 17 | 100% | |




PLUG TOP CAP