# VALVE ELECTRONIC CV1702

**GENERAL POST OFFICE: E-IN-C (W)**

(POVT 152)

| Specification: G.P.O./CV 1702/Issue 1<br>Dated: 30-9-46<br>To be read in conjunction with K 1001 | SECURITY | |
|---|---|---|
| | Specification | Valve |
| | Restricted | Restricted |

——→ indicates a change

TYPE OF VALVE: Midget triode
CATHODE: Directly heated
ENVELOPE: Unmetallised glass
PROTOTYPE XP

MARKING

See K 1001/4

| RATING | | | Note |
|---|---|---|---|
| Filament voltage | (V) | 2.0 | |
| Nominal filament current | (A) | 0.083 | |
| Max. anode voltage | (V) | 100 | |
| Mutual conductance | (mA/V) | 1.0 | A |
| Amplification factor | | 5.0 | A |
| Anode impedance | (ohms) | 5000 | A |

BASE

Hivac (midget) 4-pin (H4)

CONNEXIONS

| Pin | Electrode |
|---|---|
| 1 | Grid |
| 2 | Filament |
| 3 | Filament |
| 4 | Anode |

DIMENSIONS

See K 1001/A1/D1

| Dimension | Min. | Max. |
|---|---|---|
| A (mm) | - | 65 |
| B (mm) | - | 15 |

**NOTE**

A. Measured with Va = 50, and Vg = 0

## TESTS

To be performed in addition to those applicable in K 1001

| | TEST CONDITIONS | | | TEST | LIMITS | | No. Tested | Note |
|---|---|---|---|---|---|---|---|---|
| | Vf (V) | Va | Vg | | Min. | Max. | | |
| (a) | 2.0 | - | - | If (mA) | 78.0 | 88.0 | 100% | 1 |
| (b) | 2.0 | 50 | 0 | Ia (mA) | 4.6 | 5.6 | 100% | 1 |
| (c) | 2.0 | 50 | -1 | Ia (mA) | 3.9 | 4.5 | 100% | 1 |
| (d) | 2.0 | 50 | -1 | Reverse Ig (μA) | - | 0.5 | 100% | 1 |
| (e) | 2.0 | 50 | 0 | gm (mA/V) | 0.85 | 1.15 | 100% | 1 |

### NOTE

1. Before commencing tests, the filament shall be pre-heated for 10 minutes, the filament voltage being adjusted to 2 volts with all other electrodes disconnected.