# VALVE ELECTRONIC CV1662

(POVT 86)

GENERAL POST OFFICE: E-IN-C ( S )

| Specification: G.P.O./CV 1662/Issue 1<br>Dated: 18-9-46<br>To be read in conjunction with K 1001 | SECURITY<br>Specification: Restricted<br>Valve: Restricted |
|---|---|

→ indicates a change

TYPE OF VALVE: Triode
CATHODE: Directly heated
ENVELOPE: Metallised glass
PROTOTYPE P 215

MARKING

See K 1001/4

| RATING | | | Note |
|---|---|---|---|
| Filament current | (A) | 0.2 | |
| Nominal filament voltage | (V) | 2.0 | |
| Max. anode voltage | (V) | 150 | |
| Anode impedance | (ohms) | 4000 | A |
| Amplification factor | | 7.0 | A |

| CAPACITANCES (pF) | | | |
|---|---|---|---|
| Cag | (max) | 12.0 | |
| Cae | (max) | 12.0 | |
| Cge | (max) | 12.0 | |

BASE

British 4-pin (B4)

CONNEXIONS

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

DIMENSIONS

See K 1001/A1/D1

| Dimension | | Min. | Max. |
|---|---|---|---|
| A | (mm) | - | 108 |
| A | (mm) | - | 51 |

This valve type is obsolete and this specification is for record purposes only.

NOTE

A. Measured with Va = 27, and Vg = 0

## TESTS

To be performed in addition to those applicable in K 1001

| | TEST CONDITIONS | | | TEST | LIMITS | | No. Tested | Note |
|---|---|---|---|---|---|---|---|---|
| | See K 1001/A III | | | CAPACITANCES (pF) | | | | |
| (a) | Links to H.P. | Links to L.P. | Links to E | | | | | |
| | 1 | 2 | 3,4,5,6,7,8,9,10,TC1,TC2 | (i) Cag | - | 12.0 | 6 per week | |
| | 1 | 3,4 | 2,5,6,7,8,9,10,TC1,TC2 | (ii) Cae | - | 12.0 | 6 per week | |
| | 2 | 3,4 | 1,5,6,7,8,9,10,TC1,TC2 | (iii) Cge | - | 12.0 | 6 per week | |
| (b) | Test Voltage 500 Volts D.C. | | | Insulation (megohms) Between any two electrodes | 500 | - | 1% | |
| | If (A) | Va | Vg(R.M.S) | | | | | |
| (c) | 0.2 | - | - | Vf (V) | 1.85 | 2.15 | 100% | |
| (d) | 0.2 | 27 | 0.4 | Ra (ohms) | 3000 | 5000 | 100% | |
| (e) | 0.2 | 27 | 0.4 | $\mu$ | 6.5 | 7.5 | 100% | |
| (f) | 0.2 | 27 | 0.4 | Ia (mA) | 2.0 | - | 100% | |