

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

(POVT 74)

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|--|------------------------------------|----------------------------|
| Specification: G.P.O./CV 1654/Issue 1 Dated: 30-8-46 To be read in conjunction with K 1001 | <u>SECURITY</u> | |
| | <u>Specification</u> Restricted | <u>Valve</u> Restricted |

→ indicates a change

| | | | | | | |
|---|--------|------|---|---------------------------------------|-------------|-------------|
| <u>TYPE OF VALVE:</u> Triode <u>CATHODE:</u> Directly heated <u>ENVELOPE:</u> Metallised glass <u>PROTOTYPE</u> L2 ; PM2DX | | | <u>MARKING</u> See K 1001/4 | | | |
| <u>RATING</u> | | | Note | <u>BASE</u> British 4-pin (B4) | | |
| Filament voltage | (V) | 2.0 | | <u>CONNEXIONS</u> | | |
| Nominal filament current | (A) | 0.1 | | Pin | Electrode | |
| Max anode voltage | (V) | 150 | | 1 | Anode | |
| Mutual conductance | (mA/V) | 1.9 | A | 2 | Grid | |
| Amplification factor | | 19.0 | A | 3 | Filament - | |
| | | | | 4 | Filament + | |
| | | | | <u>DIMENSIONS</u> See K 1001/A1/D1 | | |
| | | | | <u>Dimension</u> | <u>Min.</u> | <u>Max.</u> |
| | | | | A (mm) | - | 121 |
| | | | | B (mm) | - | 64 |
| This valve type is obsolete and this specification is for record purposes only. | | | <u>NOTE</u> A. Measured with $V_a = 120$, and $V_g = 0$ | | | |

TESTS

To be performed in addition to those applicable in K 1001

| | TEST CONDITIONS | | | TEST | LIMITS | | No. Tested | Note | |
|-----|--------------------------------|-----|-----|--|--------|------|------------|------|--|
| | | | | | Min. | Max. | | | |
| (a) | Test Voltage 250 Volts D.C. | | | <u>Insulation (megohms)</u> | | | | | |
| | | | | (i) Anode to filament | | 100 | - | 1% | |
| | | | | (ii) Between any other two electrodes | | 500 | - | 1% | |
| | | | | (iii) Between any electrode and metallic shell of base | | 500 | - | 1% | |
| | Vf | Va | Vg | | | | | | |
| (b) | 2.0 | - | - | If (A) | 0.08 | 0.12 | 100% | | |
| (c) | 2.0 | 120 | -3 | Ia (mA) | 1.95 | 3.45 | 100% | | |
| (d) | 2.0 | 120 | -3 | gm (mA/V) | 1.4 | - | 100% | | |
| | | | 0 | | | | | | |
| (e) | 2.0 | 120 | -3 | Reverse Ig (μA) | - | 0.5 | 100% | | |
| (f) | 2.0 | - | -20 | Reverse Ig (μA) | - | 0.3 | 100% | | |