

MINISTRY OF SUPPLY (S.R.D.E.)

| | | |
|---|----------------------|--------------|
| Specification MOS/CV 1326/Issue 4. Dated 15.1.46 To be read in conjunction with K1001 | <u>SECURITY</u> | |
| | <u>Specification</u> | <u>Valve</u> |
| | Restricted | Restricted |

→ indicates a change

| | | | | |
|--|-----|--------------------------------------|-------|---------------|
| <u>TYPE OF VALVE:-</u> Beam Power Amplifier <u>CATHODE:-</u> Indirectly heated <u>ENVELOPE:-</u> Non-metallised <u>PROTOTYPE:-</u> AC4/Pen. | | <u>MARKING</u> See K1001/4. | | |
| <u>RATING</u> | | <u>BASE</u> B7 | | |
| Heater voltage (V) | 4.0 | Notes A | Pin | Electrode |
| Heater current (A) | 2.1 | | 1 | No connection |
| Max. Anode voltage (V) | 250 | | 2 | Control Grid |
| Max. Screen voltage (V) | 250 | | 3 | Screen Grid |
| Max. Anode dissipation (W) | 16 | | 4 | Heater |
| Mutual Conductance (mA/V) | 11 | | 5 | Heater |
| | | | 6 | Cathode |
| | | 7 | Anode | |
| <u>NOTES</u> | | <u>DIMENSIONS</u> See K1001/AI/D1 | | |
| A. Measured at $V_a = 250$, $V_{g2} = 250$ $V_{g1} = -10$. | | Dimension | Min. | Max. |
| This valve type is obsolete and this specification is for record purposes only. | | A mm | 122 | 129 |
| | | B mm | - | 54 |
| | | L mm | 106 | 113 |

To be performed in addition to those applicable in K1001

| | Test Conditions | | | | | Test | Limits | | No. Tested |
|---|-----------------|-----|-----|---------------------|-----------|-------------|--------|-----------------|---------------|
| | Vh | Va | Vg2 | Vg1 | Ia | | Min. | Max. | |
| a | 4.0 | - | - | - | - | Ih (A) | 1.9 | 2.3 | 100% or S |
| b | 4.0 | 250 | 250 | -8.5 | - | Ia (mA) | 44 | 88 | 100% |
| c | 4.0 | 250 | 250 | -8.5 | - | Ig2 (mA) | - | 25% of Ia | 100% |
| d | 4.0 | 250 | 250 | -8.5 to -10.5 | - | gm (mA/V) | 8.25 | 13.75 | 100% |
| e | 4.0 | 250 | 250 | -8.5 | - | Rev.Ig (μA) | - | 0.5 | 100% |
| f | 4.0 | 250 | 250 | Read | 1.0 mA | Vg1 (V) | - | -25 | 1% (20) |