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|--|--------|--------------------------------------|----------------------------|
| Specification No. MOS/CV1368/5 Dated : 25.9.45. To be read in conjunction with K1001. | | <u>SECURITY</u> | |
| | | <u>Specification</u> Restricted | <u>Valve</u> Restricted |
| → Indicates a change ← | | | |
| <u>TYPE OF VALVE</u> : H.F. Pentode <u>CATHODE</u> : Directly Heated <u>ENVELOPE</u> : Glass Un-metallised <u>COMMERCIAL PROTOTYPE</u> : V226 | | <u>MARKING</u> As in K1001/4 | |
| <u>RATING</u> | | <u>BASE</u> E7 | |
| | Note | Pin | Electrode |
| Filament Voltage | 6.0 | 1 | No connection |
| Filament Current (amps) | 0.2 | 2 | Control Grid |
| Max. Anode Voltage | 600 | 3 | Suppressor Grid |
| Max. Screen Voltage | 300 | 4 | Filament |
| Anode Current (mA) | 14.0 A | 5 | Filament |
| Mutual Conductance (Min)(mA/V) | 3.0 A | 6 | No connection |
| Anode Impedance (megohms) | 1.0 A | 7 | Screen Grid |
| | | T.C. | Anode |
| <u>CAPACITANCES pF</u> | | <u>TCP CAP</u> See K1001/A1/D5.1 | |
| Cag (Max) | 0.04 | <u>DIMENSIONS</u> See K1001/A1/D1 | |
| Cae | 8.6 | Dimension | Min. |
| Cge | 16.5 | A mm | 136.5 |
| <u>NOTES</u> | | B mm | 41 |
| A. Measured at $V_a = 450$ $V_{g2} = 250$ $V_{g1} = -5$ | | L mm | 121.5 |
| | | Max. | 145 |
| | | 45 | 127.5 |

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TESTS

To be performed in addition to those applicable in K1001

| | Test Conditions | | | | | Test | Limits | | No. Tested |
|---|-------------------------|-----------------------|---|----------|----------|--|--------|------|-----------------------|
| | | | | | | | Min. | Max. | |
| a | See K1001/AIII | | | | | CAPACITANCES (pF) | | | |
| | Links to H.P. TC1 | Links to L.P. 2 | Links to E. 1,3,4,5, 6,7,8,9, 10,TC2. | | | (i) Cag | - | 0.04 | Type Appro- val |
| | TC1 | 3,4,5,7 | 1,2,6,8, 9,10,TC2 | | | (ii) Cae | 7.2 | 10.0 | 6 |
| | 2 | 3,4,5,7 | 1,6,7,8, 9,10,TC1 TC2 | | | (iii) Cge | 14.5 | 18.5 | per week |
| b | Vf 6.0 | Va - | Vg3 - | Vg2 - | Vg1 - | Ig (amps) | 0.18 | 0.22 | 100% |
| c | 6.0 | 450 | 0 | 250 | -5 | Ia (mA) | 10.5 | 17.5 | 100% |
| d | 6.0 | 450 | 0 | 250 | -5 | Ig2 (mA) | 2.8 | 5.5 | 100% |
| e | 6.0 | 450 | 0 | 250 | -3 to -5 | gm (mA/V) | 3.0 | - | 100% |
| f | 6.0 | 450 | 0 | 250 | -6.5 | Rev. Ig (mA) | - | 2.0 | 100% |
| g | 6.0 | 450 | Read | 175 | -2 | Vg3 (adjusted so that Ia is 50% of that obtained with Vg3=0) | -30 | -48 | 0.1% (4) |
| h | 6.0 | 450 | 0 | 250 | -15 | Ia(tail)(mA) | - | 0.2 | 100% |