

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

| | | |
|--|------------------------------------|----------------------------|
| Specification MOS/CV1303/Issue 7 Dated 2.5.46 To be used in conjunction with K1001 | <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> Glass-unmetallised <u>PROTOTYPE:-</u> HL210A | | | <u>MARKING</u> See K1001/4 | | |
| <u>RATING</u> | | Note | <u>BASE</u> B ₄ | | |
| Filament voltage | (V) 2.0 | | Pin | Electrode | |
| Filament current | (A) 0.1 | 1 | Anode | | |
| Max. anode voltage | (V) 150 | 2 | Grid | | |
| Mutual conductance | (mA/V) 0.8 | 3 | Filament | | |
| Amplification factor | 16 | 4 | Filament | | |
| Impedance | (ohms) 20,000 | A | | | |
| <u>NOTES</u> | | | <u>DIMENSIONS</u> | | |
| A. Measured at $V_a = 100, V_g = 0$ | | | See K1001/AI/D1 | | |
| This valve type is obsolete and this specification is for record purposes only. | | | Dimension | Min. | Max. |
| | | | A mm | - | 105 |
| | | | B mm | - | 43 |

CVI303

TESTS

To be performed in addition to those applicable in K1001

| | Test conditions | | | Test | Limits | | No. tested |
|---|-----------------|----------------|----------------|-----------------------------|--------|------|--------------|
| | V _F | V _a | V _g | | Min. | Max. | |
| a | 1.8 | - | - | I _F (A) | 0.09 | 0.11 | 100% or S |
| b | 1.8 | 100 | 0 | I _a (mA) | 3.0 | 4.3 | 100% |
| c | 1.8 | 100 | +0.5 | g _m (mA/V) | 0.65 | 0.95 | 100% |
| d | 1.8 | 100 | -2 | Reverse I _g (uA) | - | 0.5 | 100% |