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VALVE ELECTRONIC

CV2104

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

| Specification MOS/CV 2104/Issue 3 | SECURITY | | | |
|--------------------------------------|---------------|--------------|--|--|
| Dated: - 9.8.51. | Specification | Valve | | |
| To be read in conjunction with K1001 | Restricted | Unclassified | | |

indicates a change

| | TYPE OF VALVE:- Sub-miniate Diode-Pent CATHODE:- Directly he ENVELOPE:- Glass-urmet PROTOTYPE:- VX8021 | 1 | MARKING CV 2104 Date Code & Factory Identification Code | | | | | | |
|---|---|----------------------------------|--|-------------------------------|--|--------------------------|----------------|---|--|
| | RATING | | Note | | BASE B8D | | | | |
| | Filament voltage (V) Filament current (mA) | | | | CONNECTIO | NS | | | |
| • | Max. anode voltage (V | | | Pin | Elec | trode | | | |
| | Max. screen voltage (V) Mutual conductance (mA/V) Anode impedance (MQ) Anode current (mA) Screen current (mA) Nominal power output (mW) | 100 0.4 0.7 0.75 0.2 | A A A B | 1 2 3 4 5 6 7 8 | A No Connect G1 -F (G3) +F D No Connect G2 | | | 4 | |
| | | | | | Se | DIMENSION e drawing p | | | |
| I | | | | Dim | ension | Min. | Max. | | |
| | | | | A B | m.m. | | 41. 2 10.16 | 4 | |

NOTES

A. Measured at Va = Vg2 = 90V, Vg1 = -2.3VB. Measured at Va = Vg2 = 90V, Vg1 = -2.3V, $R_{T_1} = 0.15$ MΩ

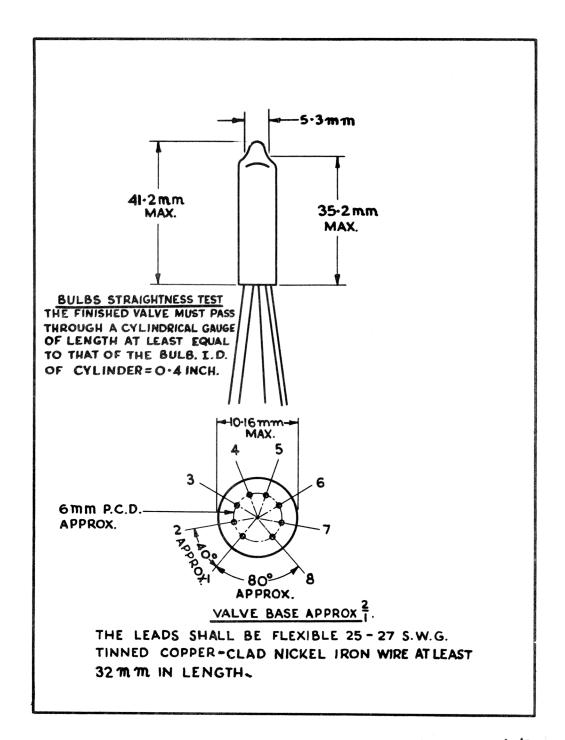
A sharp bend must not be made in any valve lead closer than 1.5 mm. to the glass seal and soldered joints in the leads must not be made closer than 5.0 mm. to the seal.

| ſ | | Г | Test Conditions Test | | | Limits | | No. | | | |
|-----|---|------|----------------------|------|------|-------------------|------------|--------|-------------|--------|------|
| | | • | 2050 | Outu | | | 1000 | Min. | Max. | Tested | |
| I | | Vf | Va. | Vg2 | Vg1 | Vd | | | | | |
| | a | 1.25 | ••• | _ | - | - | If | (mA) | 22 | 28 | 100% |
| | b | 1.25 | 70 | 70 | 0 | - | Ia | (mA) | 0.8 | 1.4 | 100% |
| | С | 1.25 | 70 | 70 | 0 | • | Ig2 | (mA) | 0.20 | 0.34 | 100% |
| | đ | 1.25 | 70 | 70 | -1.5 | - | Rev.Ig1 | (µA) | ••• | 0.5 | 100% |
| | е | 1.25 | 70 | 70 | 0 | 1 | gm. | (mA/V) | 0.34 | 0.56 | 100% |
| . [| f | 1.1 | 70 | 70 | 0 | - | Sur | (mA/V) | 0.27 | 900 | 100% |
| | g | 1.25 | 0 | 0 | 0 | - | Id(Note 1) | (MA) | 3. 0 | - | 100% |
| 0 | h | 1.25 | 0 | 0 | 0 | ±10 ₄₅ | Id | (mA) | 1.0 | - | 100% |

NOTE

1. Meter resistance 600 ohms.

CV2104/3/2



ELECTRONIC VALVE SPECIFICATIONS SPECIFICATION MOA/CV2104

ISSUE 3 DATED 9TH AUGUST, 1951.

AMENDMENT NO. 1

Page 2. Test h

Test conditions Column Vd

Delete + 10 Insert + 5

Test Id, Column Min. Limits

Delete 1.0 Insert 0.3.

October, 1961. Signals Research and Development N.4646 Establishment.

3.2. 3.