

VALVE ELECTRONIC

CV1260

ADMIRALTY SIGNAL ESTABLISHMENT

(NUL.)

| | | |
|--|----------------------|------------------------|
| Specification AD/CV1260/Issue 5. Dated 17.7.47. To be read in conjunction with K1001, ignoring clauses:- 5.2 and 5.8. | SECURITY | |
| | Specn. Restricted | Valve. Unclassified |

| | | | |
|---|--|--|----------------|
| TYPE OF VALVE:- Half-wave rectifier. CATHODE:- Directly heated. ENVELOPE:- Glass, double-ended bulb. | | MARKING | |
| | | See K1001/4. | |
| | | DIMENSIONS AND CONNECTIONS | |
| | | Leads - See Note A. Filament - Yellow. Anode - Red | |
| | | See K1001 /AI/D3 | |
| | | Dimension | Min. Max. |
| | | A mm | 230 260 |
| | | B mm | 117 125 |
| | | C mm | 52 58 |
| | | F mm | 25 - |
| | | H mm | 100 130 |
| | | PACKAGING | |
| | | See K1005. | |

| <u>RATING</u> | | Note |
|-------------------------------|------|------|
| Filament Voltage (normal) (V) | 14.0 | |
| Max. Filament Voltage (V) | 14.5 | |
| Filament current (A) | 6.0 | |
| Total emission (mA) | 300 | |
| Max. Anode dissipation (W) | 150 | |
| Max. Va peak inverse (kV) | 14 | |

NOTE.

A. **LEADS.** The leads are to be made up of six strands of 0.33 mm dia. copper or equivalents and are to be 350 mm in free length. The filament leads are to come through the pinch at one end, and the anode lead either through the other pinch or through the glass bulb. The leads are to be suitably insulated to within 50 mm of the free ends and coloured as above. They shall be bound back to the necks of the valve, the leads at each end being equally spaced around the neck. In the re-entrant part of the seal, the leads are to be protected with glass beads, or glass tubing. The insulation on the leads must not be liable to slip; lead stops may be employed. The methods actually used will be checked at Type Approval or as necessary.

TESTS

To be performed in addition to those applicable in K1001.

| | Test Conditions | | | Test | Limits | | No Tested |
|---|--|--------------------------------|--------|------------------------------|--|------|-----------|
| | Vf (V) | Va (V) | Ia (A) | | Min. | Max. | |
| a | Insulation (anode to filament) measured with 250 V or 500 V test set | | | Insulation (A to F)(Megohms) | 150 | - | 100% |
| b | 14.0 | | | If (A) | 5.6 | 6.4 | 100% |
| c | 14.0 | AC 14 kV peak inverse | | Sparking Test | There must be no sign of blue glow or deterioration. | | 100% |
| d | Adjusted For 10 mins. Vf to be set and not reduced. | 380 | 0.4 | Dissipation Test | Ia to be steady during last 3 minutes. | | 100% |

