

ADMIRALTY SIGNAL & RADAR ESTABLISHMENT

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|---|--------------------------------------|------------------------------|
| Specification AD/CV1267/Issue 2 Dated: 8.8.52 To be read in conjunction with K1001. | <u>SECURITY</u> | |
| | <u>Specification</u> Unclassified | <u>Valve</u> Unclassified |

—————> indicates a change

| | | | | | |
|---|------|---|---------------------------------------|-----------|------|
| <u>TYPE OF VALVE:-</u> Half Wave Rectifier <u>CATHODE:-</u> Indirectly Heated <u>ENVELOPE:-</u> Glass <u>PROTOTYPE:-</u> 1D5 | | | <u>MARKING</u> See K1001/4. | | |
| <u>RATING</u> | | | <u>BASE</u> B5 | | |
| | | | Note | | |
| Heater Voltage (V) | 40.0 | A | Pin | Electrode | |
| Heater Current (A) | 0.2 | | 1 | Anode | |
| Anode Voltage (V) | 250 | | 2 | - | |
| Rectified Output (mA) | 100 | | 3 | Heater | |
| | | | 4 | Heater | |
| | | | 5 | Cathode | |
| | | | <u>DIMENSIONS</u> See K1001/A1/D1. | | |
| | | | Dimension | Min. | Max. |
| | | | A mm | - | 122 |
| | | | B mm | - | 45 |
| | | | <u>PACKAGING</u> See K1005. | | |
| <u>NOTE</u> | | | | | |
| A. At not less than 200 volts. | | | | | |

TESTS

To be performed in addition to those applicable in K1001.

| | Test Conditions | | Test | Limits | | No. Tested | Note |
|---|-----------------|---|------------------------|--|------|------------|------|
| | Vh (V) | Va (V) | | Min. | Max. | | |
| a | 40.0 DC | - | Ih (A) | 0.18 | 0.22 | 100% | |
| b | Adjusted | 25 DC Max. | Ia (voltage drop (mA)) | 100 | - | 100% | 1 |
| c | Adjusted | 250 AC RMS 50 ~ | <u>Load Test</u> | There must be no indication of softness or discharge between electrodes. | | 100% | 1 |
| | | Valves tested in a standard half-wave circuit. Smoothing condenser 8 mfd. Load resistance adjusted so that output current is 120 mA. The voltage across load resistance under these conditions must not be less than 200 volts. | | | | | |

NOTE

1. Filament current to be adjusted to 0.2 ampere.