

VALVE ELECTRONIC **CV1291**
(NU33A)

ADMIRALTY SIGNAL ESTABLISHMENT

| | | |
|---|------------------------------------|------------------------------|
| Specification AD/CV1291/Issue 2. Dated 10.6.47. To be read in conjunction with K1001. | <u>SECURITY</u> | |
| | <u>Specification</u> Restricted | <u>Valve</u> Unclassified |

| | | |
|---|------------------------|---|
| <u>TYPE OF VALVE</u> :- Half-wave, high-vacuum rectifier. <u>CATHODE</u> :- Indirectly heated. <u>ENVELOPE</u> :- Clear glass. <u>PROTOTYPE</u> :- HVR2. | <u>MARKING</u> | |
| | See K1001/4. | |
| | <u>BASE</u> B4 | |
| | See K1001/AIV/D5. | |
| | <u>Pin</u> | <u>Electrode</u> |
| | 1 2 3 4 TC | No Connection No Connection Heater and Cathode Heater Anode |
| | <u>TOP CAP</u> | |
| | See K1001/AI/D5.4. | |
| | <u>DIMENSIONS</u> | |
| | See K1001/AI/D1. | |
| | <u>Dimension</u> | <u>Min.</u> <u>Max.</u> |
| | A mm B mm | - - 145 51 |
| | <u>PACKING</u> | |
| | See K1001/7. | |
| <u>RATING</u> | | |
| Heater voltage (V) | 2.0 | |
| Heater current (A) | 1.5 | |
| Max. R.M.S. anode voltage (V) | 5,000 | |
| Max. rectified current (mA) | 5 | |

TESTS

To be performed in addition to those applicable in K1001.

| | Test Conditions | | Test | Limits | | No. Tested |
|---|-----------------|--|--|--------|------|---------------|
| | Vh (V) | | | Min. | Max. | |
| a | 2.0 | | Ih (A) | - | 1.85 | 1% (20) |
| b | 2.0 | Operation in conventional half-wave rectifying circuit Va = 5 kV R.M.S. Load R = 1.0 MΩ. Smoothing condenser = 0.25 μF. For 1 minute. | During this period, there must be no sign of softness or discharge between the electrodes. | | | 100% |
| c | 2.0 | As test 'b' for 10 minutes. | As test 'b'. | | | 1% (20) |