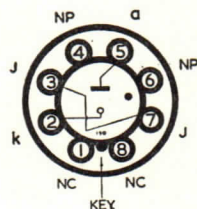


Current Equipment Type

TYPE VR150/30 (OCTAL BASE) VOLTAGE REGULATOR



The VR150/30 is a cold-cathode, gas-filled, voltage-stabiliser for use in industrial and radio equipment where a stable source of voltage is required. It is equivalent to the U.S.A. OD3 type.

CHARACTERISTICS

| | |
|---|--------------|
| Maximum striking voltage | 180 volts |
| Minimum applied supply voltage | 185 volts |
| Maximum stabilising voltage at 40 mA | 162 volts |
| Minimum stabilising voltage at 5 mA | 145 volts |
| Nominal stabilising voltage | 150 volts |
| D.C. operating current | 5 to 40 mA |
| Maximum peak current (10 seconds max.) | 100 mA |
| Nominal regulation, 5 to 30 mA | 1.5 volts |
| Maximum regulation, 5 to 30 mA | 4 volts |
| Maximum regulation, 5 to 40 mA | 5.5 volts |
| Nominal drift in stabilising voltage (100 to 1 000 hours) ... | 2.25 volts |
| Temperature coefficient, -20 to +70°C | -25 mV/°C |
| Ambient temperature range | -55 to +70°C |

NOTE

With suitable socket connections the internal connection between pins 3 and 7 acts as a switch to open the supply or load circuit when the valve is removed.

Not less than the quoted minimum supply voltage should be provided to ensure starting during life.

Sufficient resistance must always be kept in series with this type to limit the current through the valve to 40 mA under steady state conditions. As stated above during the initial warming up period a maximum current of 100 mA is permissible providing that a period of several minutes duration of operation at normal current follows.

Operation with reversed polarity will damage this valve.

Type VR150/30 is a commercial equivalent to the CV216.