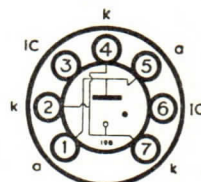


Current Equipment Type  
**TYPE OB2**  
 MINIATURE  
 VOLTAGE REGULATOR



B7G Base

#### CHARACTERISTICS

Maximum striking voltage	...	...	...	...	...	127 volts
Minimum applied supply voltage	...	...	...	...	...	133 volts
Maximum stabilising voltage at 30 mA	...	...	...	...	...	112 volts
Minimum stabilising voltage at 5 mA	...	...	...	...	...	105 volts
Nominal stabilising voltage	...	...	...	...	...	108 volts
D.C. operating current	...	...	...	...	...	5 to 30 mA
Maximum peak current (10 seconds max.)	...	...	...	...	...	75 mA
Nominal regulation, 5 to 30 mA	...	...	...	...	...	1.5 volts
Maximum regulation, 5 to 30 mA	...	...	...	...	...	3.5 volts
Nominal drift in stabilising voltage (100 to 1 000 hours)	...	...	...	...	...	1.4 volts
Temperature coefficient, -20 to +90°C	...	...	...	...	...	±5 mV/°C
Ambient temperature range	...	...	...	...	...	-55 to +90 °C

*Type OB2 is a commercial equivalent to the CV1833.*

NOTE.—With suitable socket connections the internal connection between pins 1 and 5 acts as a switch to open the 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 to 30 mA under steady state conditions. As stated, during the initial warming up period a maximum current of 75 mA is permissible providing that a period of several minutes duration of operation at normal current follows.

If the associated circuit has a capacitor in shunt with this valve it should be limited to 0.1  $\mu$ F. A larger value may cause oscillation and thus give unstable regulation.

Operation with reversed polarity will damage this valve.