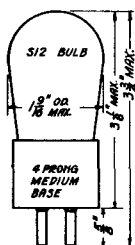


BR

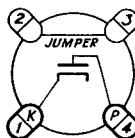
RAYTHEON

BR

DIODE
GAS FILLED HALF WAVE RECTIFIER
Cold Cathode Type Glass Bulb



The BR is a gas filled half wave rectifier tube of the cold cathode type requiring no heater supply voltage. It is designed for service where it is desirable to use a half-wave rectifier.



BOTTOM VIEW OF SOCKET

HALF WAVE RECTIFIER

Maximum A-C Plate Voltage (RMS)	300	volts
Maximum D-C Output Current	50	ma
Maximum Peak Plate Current	200	ma
Maximum Inverse Peak Voltage	850	volts
Minimum Starting Peak Voltage	300	volts
Average Dynamic Voltage Drop	60	volts

The type BR tube was developed primarily for use in vibrator type B supply units for automobile receivers. It has the typical characteristics of all gas filled rectifiers as regards a constant voltage drop and ability to handle high peak currents. Any tendency of the tube to generate r-f noise may be eliminated by proper filtering and shielding. The shielding and filtering commonly used to eliminate vibrator noise will usually be sufficient.

The BR is filled with a permanent gas rather than a vapor filling. The tube characteristics are independent of the surrounding temperature.