HALF-WAVE GAS RECTIFIER
IONICALLY HEATED, STARTER-ELECTRODE TYPE

General:
Cathode........................................ ionically Heated
Tube Voltage Drop (Approx.).................. 12 volts
Maximum Overall Length........................ 2-5/8"
Maximum Seated Length........................ 1-31/32 ± 3/32"
Maximum Diameter............................. 1-5/16"
Bulb.............................................. MTBG
Base.............................................. Small-Wafer Octal 5-Pin
Basing Designation for BOTTOM VIEW

Pin 1—Shell
Pin 3—Starter Electrode
Pin 5 — Anode
Pin 7° — Cathode
Pin 8° — Cathode

° Pins 7 and 8 must be tied together at socket.

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Maximum Ratings, Design-Center Values:
PEAK INVERSE ANODE VOLTAGE............ 300 max. volts
PEAK ANODE CURRENT..................... 500 max. ma
DC OUTPUT CURRENT .................. \{ 75 max. ma
\{ 40 min. ma

Typical Operation With Capacitor-Input Filter:
Minimum RMS Starting Voltage*........... 100 volts
DC Output Current ........................ 75 ma
Minimum Series Anode Resistance\*........ 50 ohms

RF filter circuits placed close to socket terminals are required to reduce rectifier noise.

* When starter electrode is connected to anode through a 10-megohm resistor bypassed with a 0.002-μf capacitor.
\* For 117-volt line operation.