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**HALF-WAVE GAS RECTIFIER**

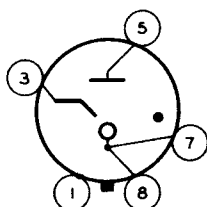
IONICALLY HEATED, STARTER - ELECTRODE TYPE

DATA**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 . . . . .                       | MT8G                    |
| Base . . . . .                       | Small-Wafer Octal 5-Pin |

Basing Designation for BOTTOM VIEW

Pin 1 - Shell

Pin 3 - Starter  
Electrode

Pin 5 - Anode

Pin 7<sup>□</sup> - CathodePin 8<sup>□</sup> - Cathode

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

HALF-WAVE RECTIFIER**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 <sup>▲</sup> . . . . . | 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.