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HALF-WAVE GAS RECTIFIER

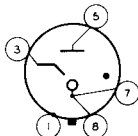
IONICALLY HEATED, STARTER - ELECTRODE TYPE

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[□] - 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.