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# HALF-WAVE GAS RECTIFIER

IONICALLY HEATED, STARTER - ELECTRODE TYPE

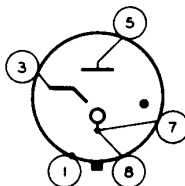
## DATA

### 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> - Cathode  
Pin 8<sup>□</sup> - Cathode

<sup>□</sup> 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 <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- $\mu$ f capacitor.

<sup>▲</sup> For 117-volt line operation.