

# MAZDA

## 19G6

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### HIGH VACUUM HALF WAVE RECTIFIER

Indirectly heated—for High Voltage Power Supplies

#### RATING

Heater Voltage (volts)	$V_h$	4.0
Heater Current (amps)	$I_h$	0.5
Maximum Peak Inverse Anode Volts (Wkg)(kv)	P.I.Vmax (w)	6.0
Maximum Peak Inverse Anode Volts (no-load)(kv)	P.I.Vmax	7.0
Maximum Anode Volts (R.M.S.) (kv)	$V_a$ (R.M.S.)	2.5
Maximum Mean Anode Current (mA)	$I_a$ (av)	30.0
Maximum Peak Anode Current (mA)	$I_a$ (Pk)	180.0
Minimum Surge Limiting Resistance (ohms) •		5.400
Maximum Reservoir Condenser Capacitance ( $\mu$ F)		1.0

- This resistance can be obtained in the distributed resistance of the transformer winding.

#### INTER-ELECTRODE CAPACITANCES

Anode to all. ( $\mu$ F)	$C_a$ -all	2.8
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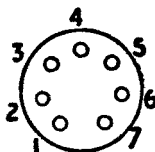
#### DIMENSIONS

Overall Length Maximum (mm)	60
Diameter Maximum (mm)	19
Approximate Nett Weight (ozs)	4.4
Approximate Packed Weight (ozs)	4.4

BASE - Miniature Button. 7. Pin. B7G.

#### BASE CONNECTIONS

- Pin.1. - to Pin 2.
- Pin.2. - Cathode.
- Pin.3. - Heater.
- Pin.4. - Heater.
- Pin.5. - Pin.2.
- Pin.6. - Pin.2.
- Pin.7. - Pin.2.
- Cap. - Anode.



Viewed from free end of pins.

#### NOTES

Cathode & Heater should normally be tied externally. If left free, the heater to cathode voltage must never exceed 10 volts Peak.

The heater must be switched on for 20. seconds before the anode voltage is applied.

All Maximum Ratings are absolute values not design centres.