

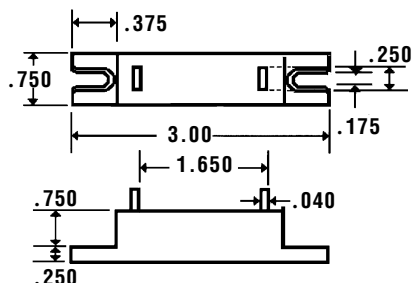
750 mA HIGH VOLTAGE MICROWAVE OVEN RECTIFIERS

HV07 Series

Description



Mechanical Dimensions



Features

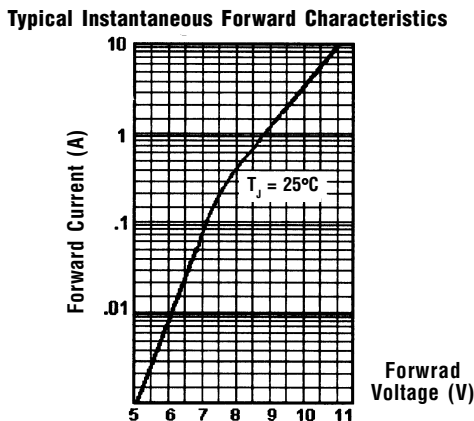
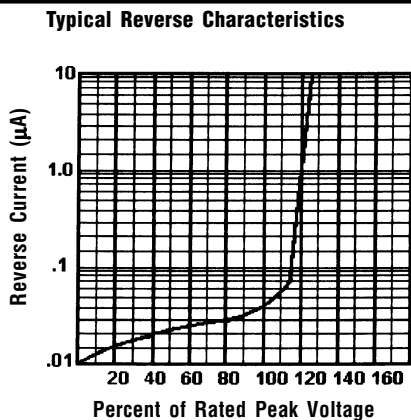
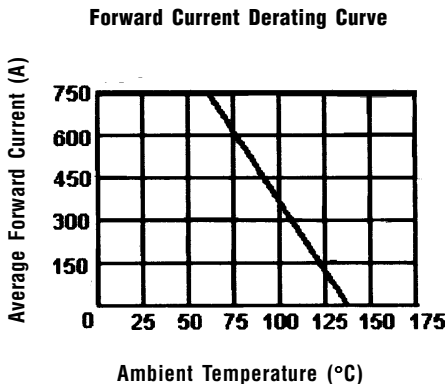
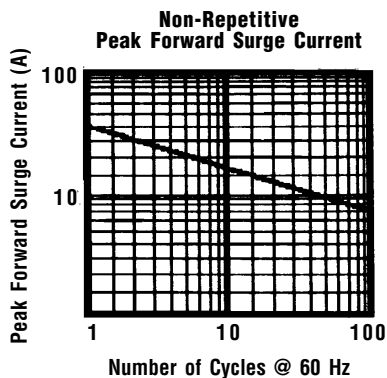
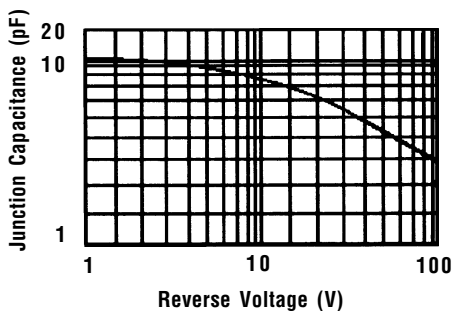
- **HIGH OVERLOAD SURGE CAPABILITY**
- **CONTROLLED AVALANCHE CHARACTERISTICS**
- **LOW FORWARD VOLTAGE DROP**
- **TYPICAL $I_R < 1\mu A$**
- **HIGH TEMPERATURE SOLDERING - 250°C 10 Seconds**
- **MEETS UL SPECIFICATION 94V-0**

| | HV07 Series | | | | | | Units |
|--|--|---------|---------|---------|---------|---------|-------|
| Maximum Ratings | HV07-08 | HV07-10 | HV07-12 | HV07-14 | HV07-15 | HV07-16 | |
| Peak Repetitive Reverse Voltage...V _{RRM} | 8000 | 10000 | 12000 | 14000 | 15000 | 16000 | Volts |
| RMS Reverse Voltage...V _{R(rms)} | 5600 | 7000 | 8400 | 9800 | 10500 | 11200 | Volts |
| DC Blocking Voltage...V _{DC} | 8000 | 10000 | 12000 | 14000 | 15000 | 16000 | Volts |
| Average Forward Rectified Current...I _{F(av)} @ T _A = 60°C | 750 | | | | | | mAmps |
| Non-Repetitive Peak Forward Surge Current...I _{FSM} @ Rated Load Conditions, 8.3 ms, ½ Sine Wave | 50 | | | | | | Amps |
| Operating & Storage Temperature Range...T _J , T _{STRG} | -20 to 135 | | | | | | °C |
| Electrical Characteristics | | | | | | | |
| Maximum Forward Voltage...V _F @ 750 mA | < 10 > < 14 > < 16 > | | | | | | Volts |
| Maximum DC Reverse Current...I _R @ Rated DC Blocking Voltage | 5.0 | | | | | | μAmps |

750 mA HIGH VOLTAGE MICROWAVE OVEN RECTIFIERS

HV07 Series

Typical Junction Capacitance



Ratings at
25 Deg. C ambient
temperature
unless otherwise
specified.

Single Phase Half
Wave, 60 Hz
Resistive or
Inductive Load.

For Capacitive
Load, Derate
Current by 20%.