VARO SYMBOL

GPP60 SERIES

GLASS PASSIVATED RECTIFIER

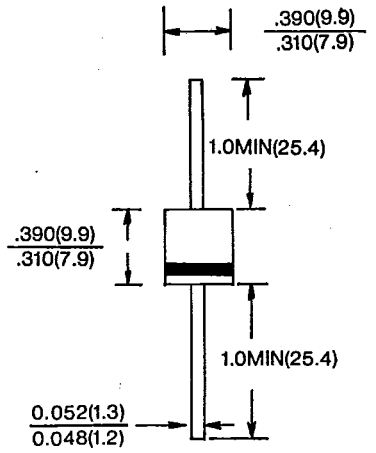
VOLTAGE RANGE
50 to 1000 Volts
CURRENT
6.0 Amperes

FEATURES

- Glass passivated junction
- Low forward voltage
- High current capability
- Low leakage current
- High surge capability
- Low cost

MECHANICAL DATA

Case: Molded plastic use UL 94V-O recognized
Flame Retardant Epoxy
Terminals: Axial leads, solderable per
MIL-STD-202, Method 208
Polarity: Color band denotes cathode
Mounting Position: Any



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.
Single phase, half wave, 60 Hz, resistive or inductive load.
For capacitive load, derate current by 20%.

	GPP60A	GPP60B	GPP60D	GPP60G	GPP60J	GPP60K	GPP60M	UNITS
Maximum Recurrent Peak Reverse Voltage	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current .375", 9.5 mm Lead Length at T_A = 55°C	6.0							A
Peak Forward Surge Current 8.3 ms single half-sine-wave	250							A
Maximum Forward Voltage at 6.0A Peak	1.0							V
Maximum Reverse Current, Rated DC Blocking Voltage	10							μA
Maximum Full Load Reverse Current, Full Cycle Average, .375", 9.5 mm Lead Length at T_A = 55°C	100							μA
Typical Junction Capacitance (NOTE 1)	60							pF
Typical Reverse Recovery Time (NOTE 2)	1.5							μs
Operating and Storage Temperature Range T_A	−65 to +150							°C

NOTES
1-Measured at 1.0 MHz and applied reverse voltage of 4.0 V_{DC}
2-Measured with I_F = .5A, I_R = 1A, i_{rr} = .25A

RATING AND CHARACTERISTIC CURVES
GPP60 SERIES

Fig. 1–TYPICAL FORWARD CHARACTERISTICS
Tj =25°C

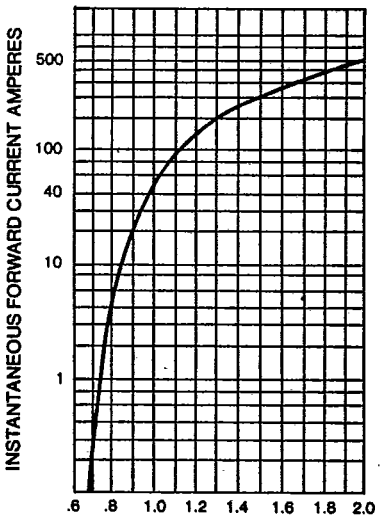


Fig. 2–PEAK FORWARD SURGE CURRENT

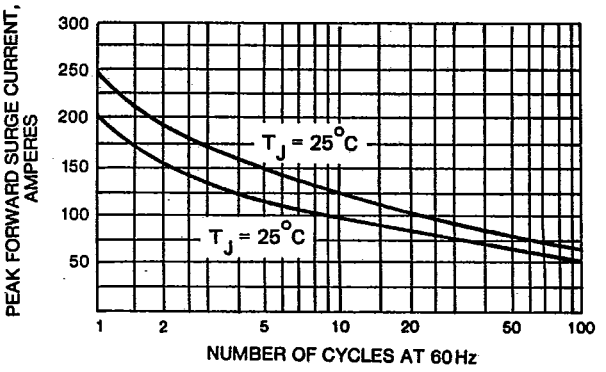


Fig. 3–FORWARD DURRENT DERATING CURVE

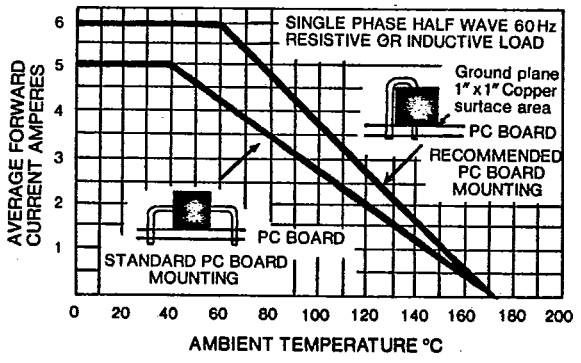
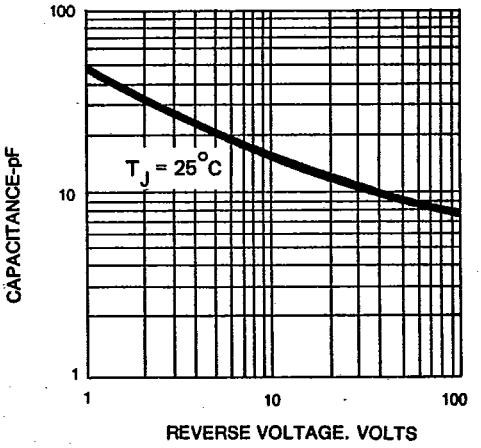


Fig. 4–TYPICAL JUNCTION CAPACITANCE



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