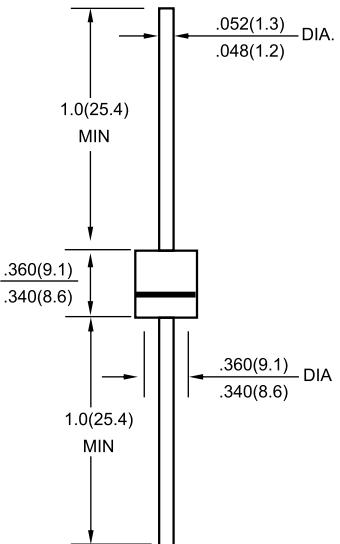



Voltage Range

50 TO 1000 Volts

Current

10.0 Amperes

R-6


Dimensions in inches and (millimeters)

Maximum Ratings and Electrical Characteristics

Rating at 25 °C ambient temperature unless otherwise specified.

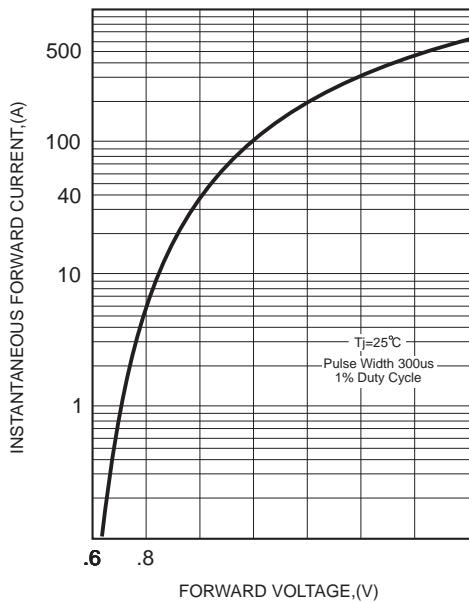
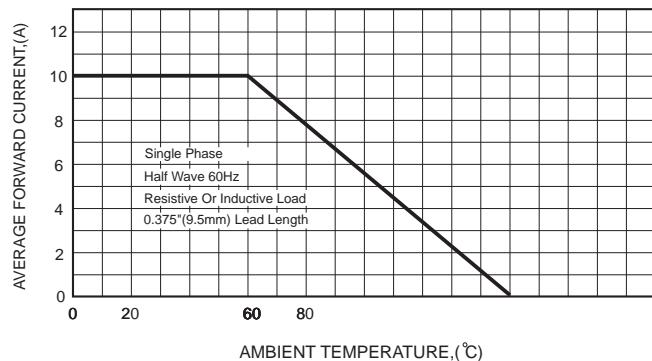
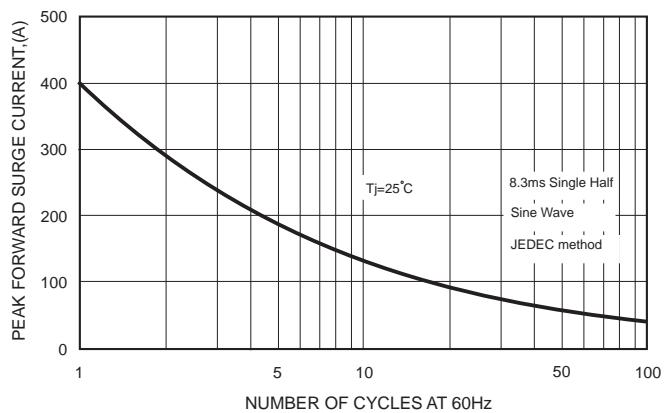
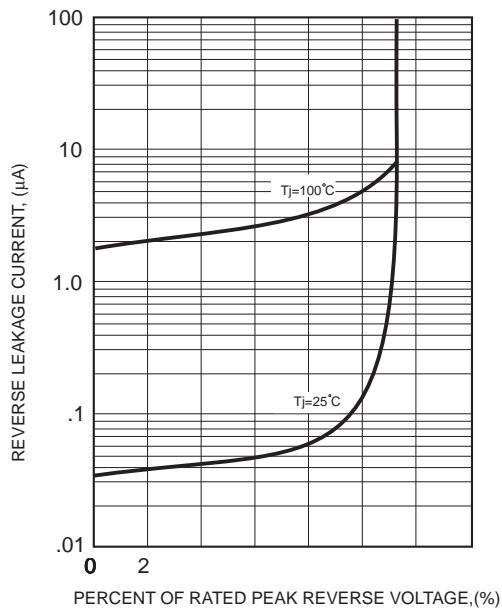
Single phase, half wave, 60 Hz, resistive or inductive load.

For capacitive load, derate current by 20%

Type Number	P1000A	P1000B	P1000D	P1000G	P1000J	P1000K	P1000M	UNI
Maximum Recurrent Peak Reverse Voltage	50	100						
Maximum RMS Voltage	35							V
Maximum DC Blocking Voltage	50	100						
Maximum Average Forward Rectified Current								
.375"(9.5mm) Lead Length at Ta=60°C								A
Peak Forward Surge Current, 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)								A
Maximum Instantaneous Forward Voltage at 10.0A								V
Maximum DC Reverse Current Ta=25°C								µA
at Rated DC Blocking Voltage Ta=100°C								µA
Typical Junction Capacitance (Note 1)								pF
Typical Thermal Resistance R _{θJA} (Note 2)								°C/W
Operating and Storage Temperature Range T _J , T _{Stg}								°C

NOTES: 1. Measured at 1MHz and applied reverse voltage of 4.0V D.C.

2. Thermal Resistance from Junction to Ambient .375" (9.5mm) lead length.

RATING AND CHARACTERISTIC CURVES (P1000A - P1000M)
FIG.1-TYPICAL FORWARD CHARACTERISTICS

FIG.2-TYPICAL FORWARD CURRENT DERATING CURVE

FIG.4-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

FIG.3 - TYPICAL REVERSE CHARACTERISTICS

FIG.5 - TYPICAL THERMAL RESISTANCE VS. LEAD LENGTH
