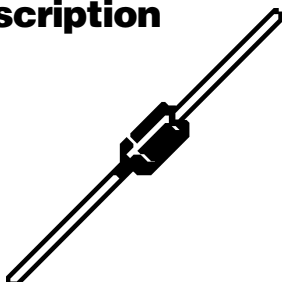
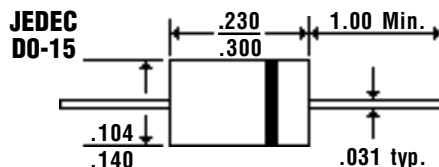


Description



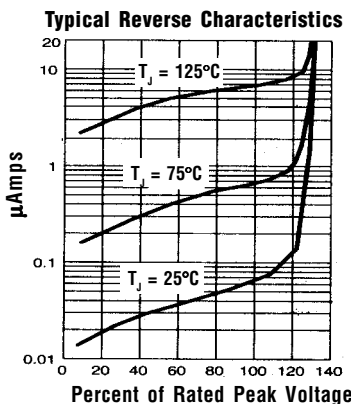
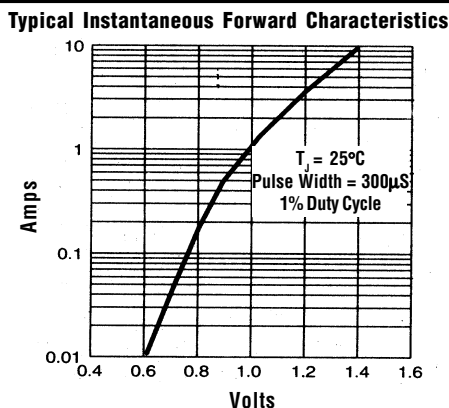
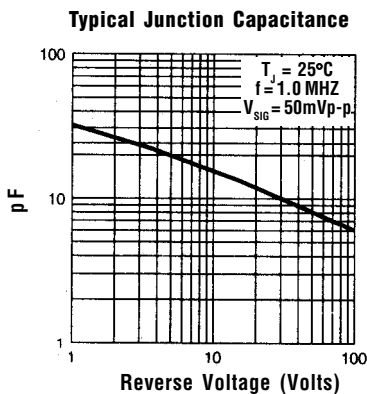
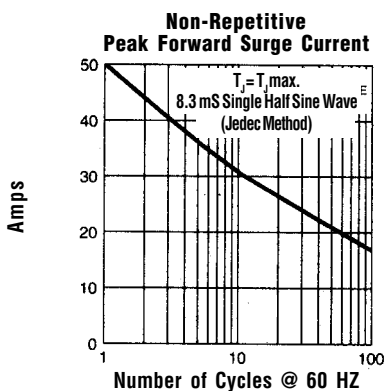
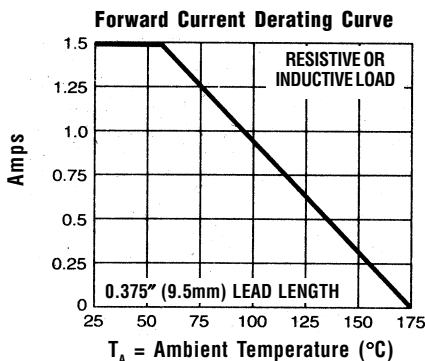
Mechanical Dimensions



Features

- **HIGH TEMPERATURE METALLURGICALLY BONDED CONSTRUCTION**
- **1.5 AMP OPERATION @ $T_A = 55^\circ\text{C}$, WITH NO THERMAL RUNAWAY**
- **SINTERED GLASS CAVITY-FREE JUNCTION**
- **TYPICAL $I_R < 0.1 \mu\text{Amp}$**

Electrical Characteristics @ 25°C.		RGP15A . . . 15M Series							Units
Maximum Ratings		RGP15A	RGP15B	RGP15D	RGP15G	RGP15J	RGP15K	RGP15M	
Peak Repetitive Reverse Voltage...V _{RRM}		50	100	200	400	600	800	1000	Volts
RMS Reverse Voltage...V _{R(rms)}		35	70	140	280	420	560	700	Volts
DC Blocking Voltage...V _{DC}		50	100	200	400	600	800	1000	Volts
Average Forward Rectified Current...I _{F(av)} Current 3/8" Lead Length @ T _A = 55°C		1.5							Amps
Non-Repetitive Peak Forward Surge Current...I _{FSM} 8.3mS, ½ Sine Wave Superimposed on Rated Load		50							Amps
Forward Voltage @ Rated Forward Current and 25°C...V _F		1.3							Volts
Full Load Reverse Current...I _R (av) Full Cycle Average @ T _A = 55°C		100							μAmps
DC Reverse Current...I _R @ Rated DC Blocking Voltage	T _A = 25°C	5.0							μAmps
	T _A = 150°C	200							μAmps
Typical Junction Capacitance...C _J (Note 1)		25							pF
Typical Thermal Resistance...R _{θJA} (Note 2)		45							°C/W
Typical Reverse Recovery Time...t _{RR} (Note 3)		<	150	> 250	<	500	nS
Operating & Storage Temperature Range...T _J , T _{STRG}		-65 to 175							°C



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%.

- NOTES:**
1. Measured @ 1 MHz and applied reverse voltage of 4.0V.
 2. Thermal Resistance from Junction to Ambient at 3/8" Lead Length, P.C. Board Mounted.
 3. Reverse Recovery Condition $I_F = 0.5\text{A}$, $I_R = 1.0\text{A}$, $I_{RR} = 0.25\text{A}$.