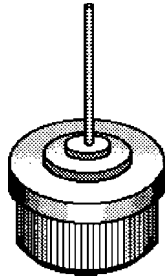
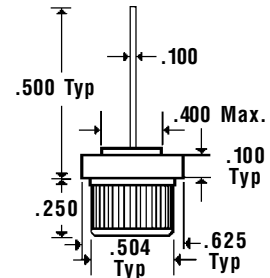


## Description



## Mechanical Dimensions

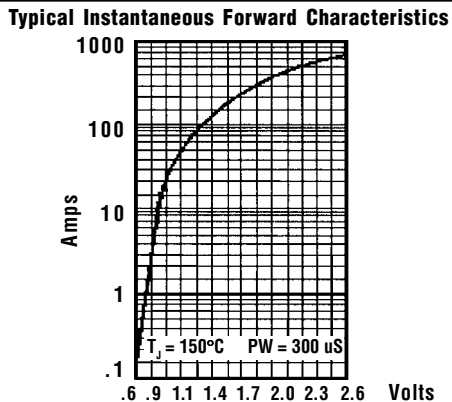
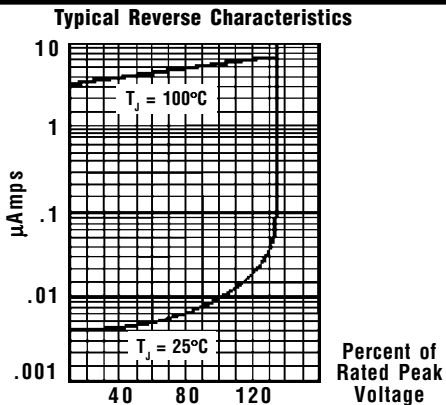
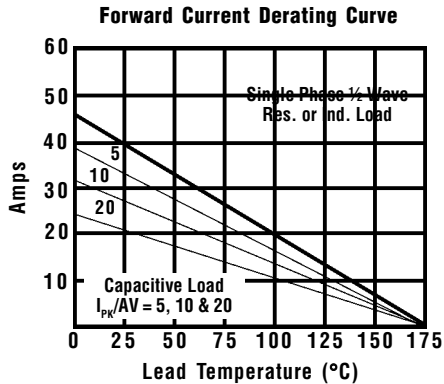
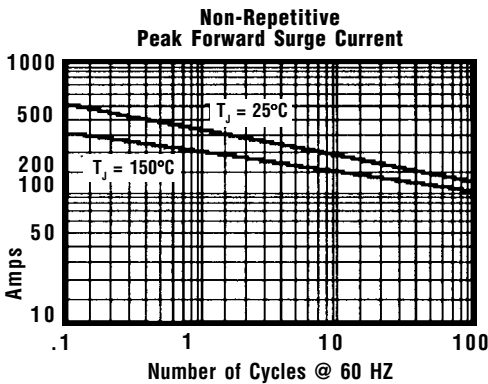
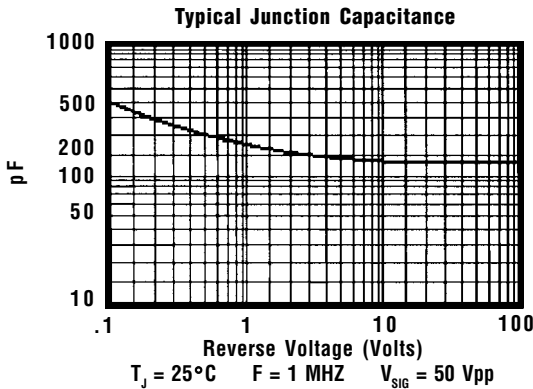
PFRXXXX = +  
PFRXXXXA = -



## Features

- LOW COST
- HIGH SURGE CAPABILITY
- DIFFUSED JUNCTION
- LOW LEAKAGE CURRENT
- HIGH TEMPERATURE CAPABILITY
- MEETS UL SPECIFICATION 94V-0

Electrical Characteristics @ 25°C.	PFR3501 . . . 3510 Series							Units	
Maximum Ratings	PFR3501	PFR3502	PFR3503	PFR3504	PFR3506	PFR3508	PFR3510		
Peak Repetitive Reverse Voltage... $V_{RRM}$	100	200	300	400	600	800	1000	Volts	
RMS Reverse Voltage... $V_{R(rms)}$	70	140	210	280	420	560	700	Volts	
DC Blocking Voltage... $V_{DC}$	100	200	300	400	600	800	1000	Volts	
Average Forward Rectified Current... $I_{F(av)}$ $T_A = 55^\circ\text{C}$ (Note 3)				35				Amps	
Non-Repetitive Peak Forward Surge Current... $I_{FSM}$ @ Rated Current & Temp				500				Amps	
Forward Voltage @ 35A... $V_F$	< .....			1.08	> .....			Volts	
DC Reverse Current... $I_R$ @ Rated DC Blocking Voltage, 150°C				10				$\mu\text{Amps}$	
				250				$\mu\text{Amps}$	
Typical Junction Capacitance... $C_J$ (Note 1)	< .....		250	> .....		< .....		350	pF
Typical Thermal Resistance... $R_{\theta JC}$ (Note 2)				0.8				°C/W	
Typical Reverse Recovery Time... $t_{RR}$				3.0				$\mu\text{S}$	
Operating & Storage Temperature Range... $T_J, T_{STRG}$				-50 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 Junction to Ambient, Jedec Method.
  3. When Mounted to heat sink, from body.