Data Sheet

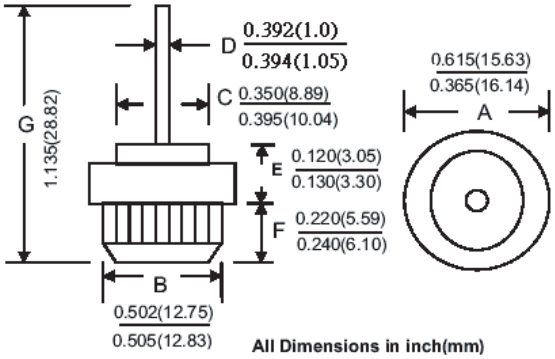
70Amp 1/2" Pressfit Automotive Rectifiers

PFR7001~7006 N/ P

DESCRIPTION

PRESS-FIT

MECHANICAL DIMENSIONS



Features

- Low Cost
- Super Cool
- Long life Features
- High Current Capability

NOTE:

- 1.PFR700XP Positive (Forward), (+) Cathode To Case,Color Code Red
- 2.PFR700XN Negative(Reverse),(-): Anode To Case, Color Code Black
- 3.Lead have 1mm, 1.3mm And 2.5mm

Electrical Characteristics@25C	Symbol	PFR7001P PFR7001N	PFR7002P PFR7002N	PFR7004P PFR7004N	PFR7006P PFR7006N	Unit
Average Forward Current, Io at Tc=150C 60HZ, Resistive Or Inductive Load	IF	70				A(DC)
Peak Reverse Voltage, Repetitive:VRRM	VRRM	100	200	400	600	V(DC)
DC Reverse Voltage, VR	V(DC)	100	200	400	600	
Maximum RMS Voltage	VRMS	70	140	280	420	
Max. Inst Forward Voltage Drop. VF at 100Amp	VF	1.2				V
Peak Forward Surge Current, IFM(surge): 8.3ms. Single Half Sine-Wave Superimposed On Rated Load (JEDEC method)	IFSM	900				A
Maximum Reverse Current IR At Rated DC Reverse Voltage. TC= 25C	IR	10				uA
Maximum Reverse Current IR At Rated DC Reverse Voltage. TC=100C	IR	500				uA
Maximum Thermal Resistance, Junction To Case (single side cooled)	$R_{\theta JA}$	0.8				C/W
Operating And Storage Temperature Range	Tj; Tstrg	-65 to +175				C

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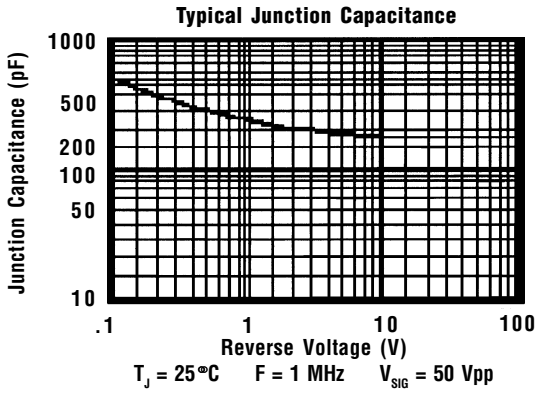

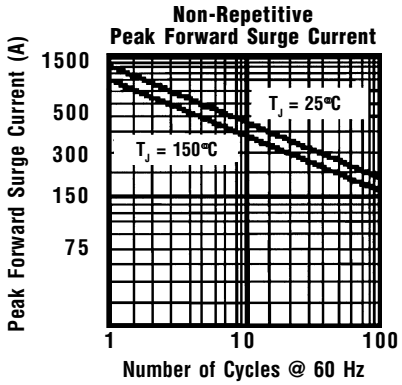

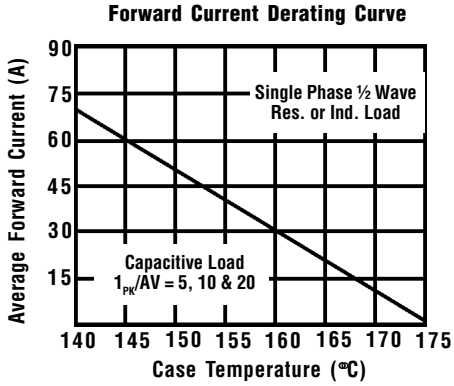

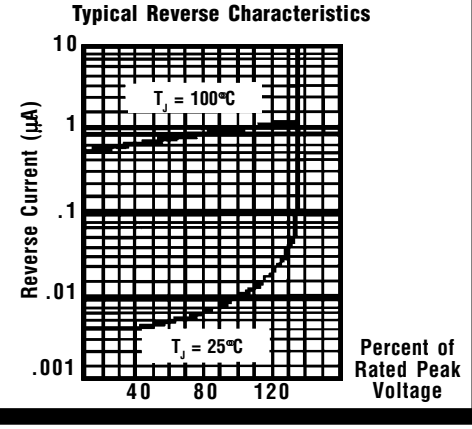

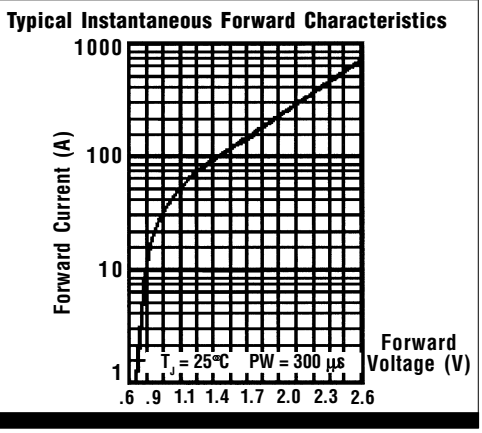

Ratings at 25 Deg. C ambient temperature unless otherwise specified.

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 Case, Jedec Method.
3. When Mounted to heat sink, from body.
4. Pulse Test: Pulse Width ≤ 300 µs, Duty Cycle 2%.