Data Sheet

25Amp HOOK Pressfit Automotive Rectifiers

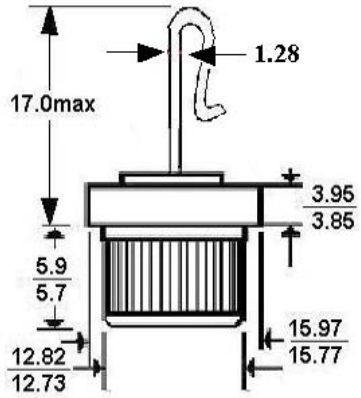
HPFR2501~2506 N/ P

DESCRIPTION



HOOK PRESS-FIT

Mechanical Dimension



Dimension in mm

Features

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

NOTE:

- 1.HPFR250XP Positive (Forward), (+) Cathode To Case,Color Code Red
- 2.HPFR250XN Negative(Reverse),(-): Anode To Case, Color Code Black
- 3.Lead 1.28mm
- 4. Case Copper and Brass Available pls note

Electrical Characteristics@25C	Symbol	HPFR2501P HPFR2501N	HPFR2502P HPFR2502N	HPFR2504P HPFR2504N	HPFR2506P HPFR2506N	Unit
Average Forward Current, Io at Tc=150C 60HZ, Resistive Or Inductive Load	IF	25				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 80Amp	VF	1.18				V
Peak Forward Surge Current, IFM(surge): 8.3ms. Single Half Sine-Wave Superimposed On Rated Load (JEDEC method)	IFSM	400				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)	$R_{\theta JA}$	1.2				C/W
Operating And Storage Temperature Range	Tj; Tstrg	-65 to +175				C

RATINGS AND CHARACTERISTIC CURVES HPFR2501 THRU HPFR2506

FIG.1 - FORWARD CURRENT DERATING CURVE

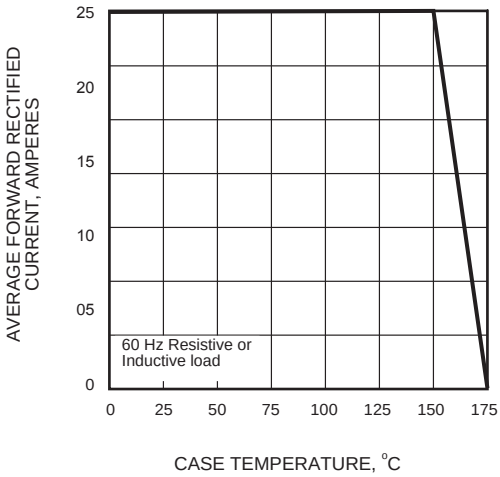


FIG.2 - MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

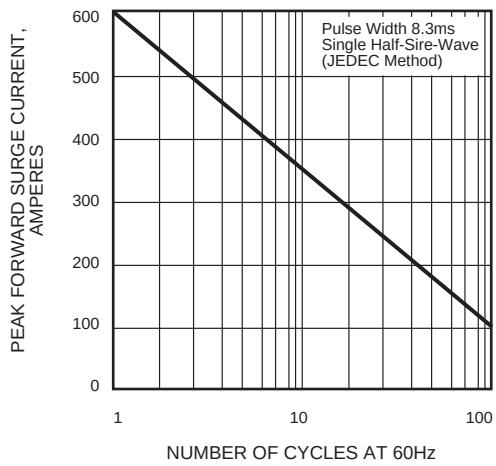


FIG.3 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

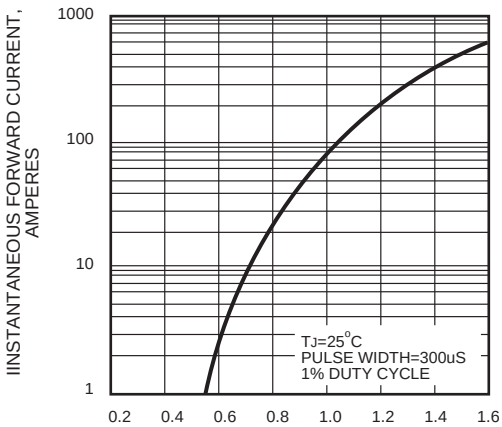


FIG.4 - TYPICAL REVERSE CHARACTERISTICS

