



勝特力材料 886-3-5753170  
 勝特力电子(上海) 86-21-54151736  
 勝特力电子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)

**PFBM3501(R)**  
**THRU**  
**PFBM3507(R)**

## INDUSTRIAL PRESS-FIT POWER RECTIFIERS TYPE 35A

### Features

- High Surge Capability
- High Voltage Available
- Designed For A Wide Range of Application
- Leaded Version Available
- Types Up to 1000V  $V_{RRM}$
- Open junction

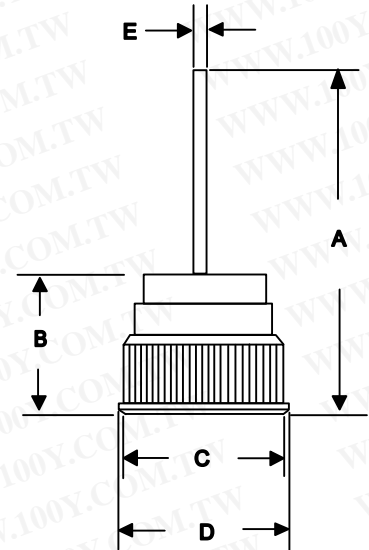
**35Amp Rectifier**  
**50-1000 Volts**

**PRESS - FIT**  
**BOSCH**

### Maximum Ratings

Operating Temperature:  $-65^{\circ}\text{C}$  to  $+190^{\circ}\text{C}$   
 Storage Temperature:  $-65^{\circ}\text{C}$  to  $+190^{\circ}\text{C}$

Part Number	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
PFBM3501(R)	50V	35V	50V
PFBM3502(R)	100V	70V	100V
PFBM3503(R)	200V	140V	200V
PFBM3504(R)	400V	280V	400V
PFBM3505(R)	600V	420V	600V
PFBM3506(R)	800V	560V	800V
PFBM3507(R)	1000V	700V	1000V



### Electrical Characteristics @ 25 °C Unless Otherwise Specified

Average Forward Current	$I_{F(AV)}$	35 A	$T_C = 100^{\circ}\text{C}$
Peak Forward Surge Current	$I_{FSM}$	600A	8.3ms, half sine
Maximum Instantaneous Forward Voltage *	$V_F$	1.0V	$I_{FM} = 35A;$ $T_J = 25^{\circ}\text{C}$
Maximum Instantaneous DC Reverse Current At Rated DC Blocking Voltage	$I_R$	10uA 500uA	$T_J = 25^{\circ}\text{C}$ $T_J = 150^{\circ}\text{C}$
Maximum thermal resistance, junction to case	$R_{\theta jc}$	1.2 $^{\circ}\text{C}/\text{W}$	

Notes:

- Standard Polarity: Lead is Cathode
- Reverse Polarity: Lead is Anode

DIM	DIMENSIONS				NOTE
	INCHES		MM		
A	0.68	0.71	17.20	18.20	
B	0.38	0.39	9.70	10.00	
C	0.503	0.506	12.78	12.84	
D	0.509	0.511	12.92	12.98	
E	0.057	0.058	1.45	1.50	

\*Pulse Test: Pulse Width 300 usec, Duty Cycle 2%



# PFBM3501(R) THRU PFBM3507(R)

FIG.1- MAXIMUM FORWARD CURRENT DERATING CURVE

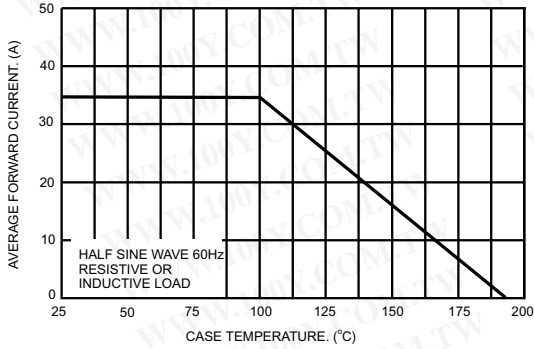


FIG.2- MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

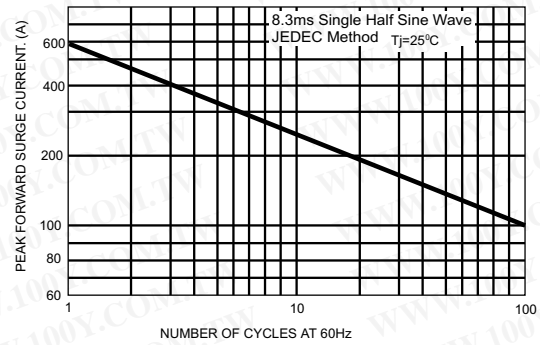


FIG.3- TYPICAL FORWARD CHARACTERISTICS

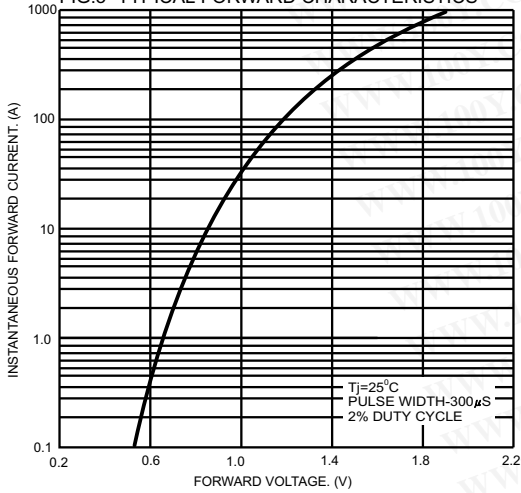
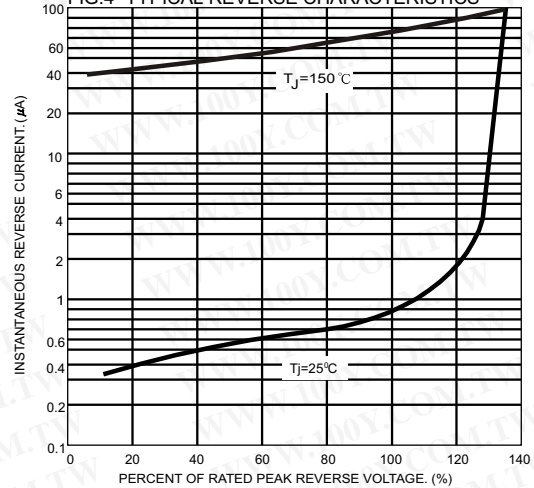


FIG.4- TYPICAL REVERSE CHARACTERISTICS



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