

Bridge Rectifier

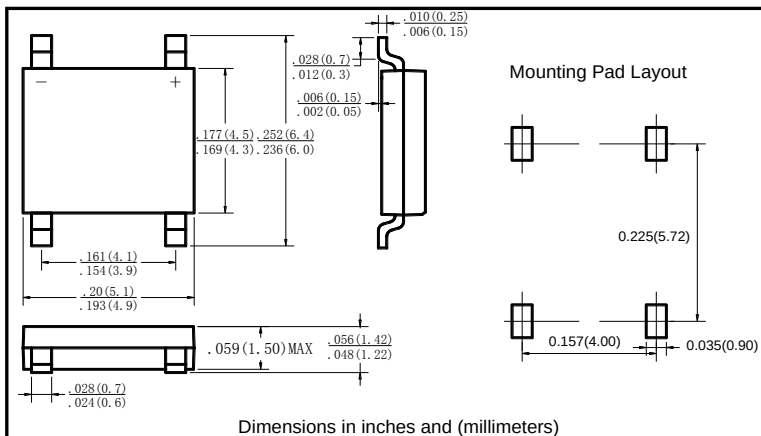
■特征 Features

- I_o 2A
- V_{RRM} 200V~1000V
- 玻璃钝化芯片
Glass passivated chip
- 耐正向浪涌电流能力高
High surge forward current capability

■用途 Applications

- 作一般电源单相桥式整流用
General purpose 1 phase Bridge rectifier applications

■外形尺寸和印记 Outline Dimensions and Mark



■极限值（绝对最大额定值）

Limiting Values (LLBolute Maximum Rating)

参数名称 Item	符号 Symbol	单位 Unit	条件 Conditions	ABS2				
				2	4	6	8	10
反向重复峰值电压 Repetitive Peak Reverse Voltage	V_{RRM}	V		200	400	600	800	1000
平均整流输出电流 Average Rectified Output Current	I_o	A	60Hz正弦波, 电阻负载, $T_a=25^{\circ}C$ 60Hz sine wave, R-load, $T_a=25^{\circ}C$	2.0				
正向（不重复）浪涌电流 Surge(Non-repetitive)Forward Current	I_{FSM}	A	60Hz正弦波, 一个周期, $T_j=25^{\circ}C$ 60Hz sine wave, 1 cycle, $T_j=25^{\circ}C$	50				
正向浪涌电流的平方对电流浪涌持续时间的积分值 Current Squared Time	I^2t	A ² S	$1ms \leq t < 8.3ms$ $T_j=25^{\circ}C$, 单个二极管 $1ms \leq t < 8.3ms$ $T_j=25^{\circ}C$, Rating of per diode	3.7				
存储温度 Storage Temperature	T_{stg}	$^{\circ}C$		-55 ~ +150				
结温 Junction Temperature	T_j	$^{\circ}C$		-55 ~ +150				

■电特性（ $T_a=25^{\circ}C$ 除非另有规定）

Electrical Characteristics ($T_a=25^{\circ}C$ Unless otherwise specified)

参数名称 Item	符号 Symbol	单位 Unit	测试条件 Test Condition	最大值 Max
正向峰值电压 Peak Forward Voltage	V_{FM}	V	$I_{FM}=0.4A$, 脉冲测试, 单个二极管的额定值 $I_{FM}=0.4A$, Pulse measurement, Rating of per diode	1.0
反向峰值电流 Peak Reverse Current	I_{RRM}	μA	$V_{RM}=V_{RRM}$, 脉冲测试, 单个二极管的额定值 $V_{RM}=V_{RRM}$, Pulse measurement, Rating of per diode	10
热阻 Thermal Resistance	$R_{\theta J-A}$	$^{\circ}C/W$	结和环境之间, 安装在氧化铝基板上 Between junction and ambient, On alumina substrate	62.5
	$R_{\theta J-L}$		结和引线之间 Between junction and lead	25

■特性曲线（典型） Characteristics(Typical)

Fig.1 Average Rectified Output Current Derating Curve

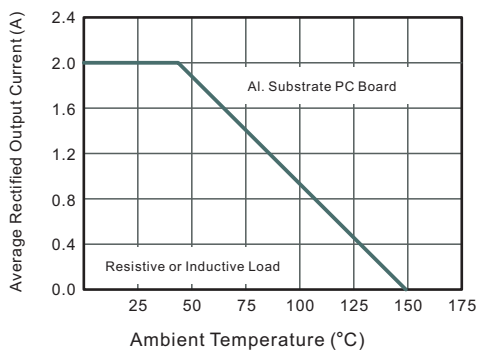


Fig.2 Typical Reverse Characteristics

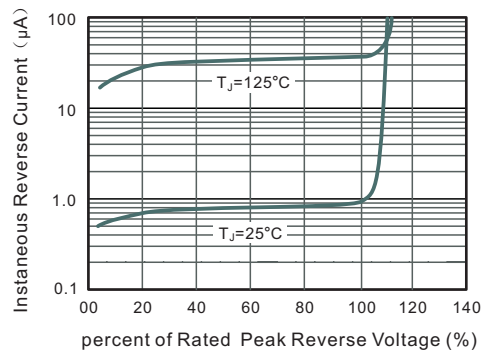


Fig.3 Typical Instantaneous Forward Characteristics

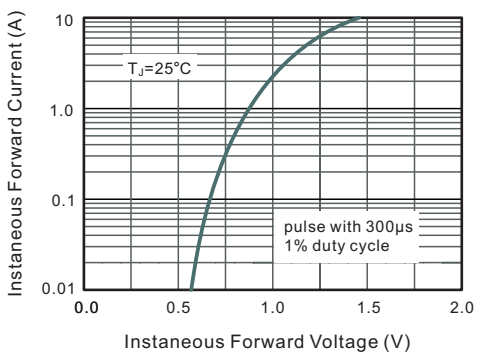


Fig.4 Typical Junction Capacitance

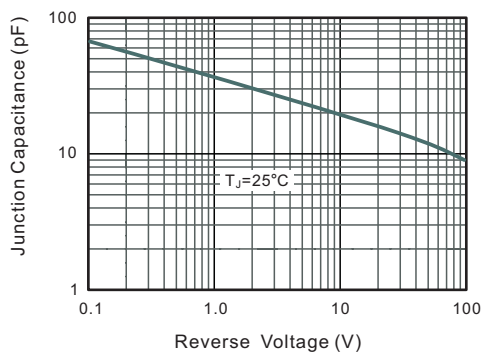


Fig.5 Maximum Non-Repetitive Peak Forward Surge Current

