

Bridge Rectifier

■特征 Features

- I_o 1.5A
- V_{RRM} 50V~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

■极限值（绝对最大额定值）

Limiting Values (Absolute Maximum Rating)

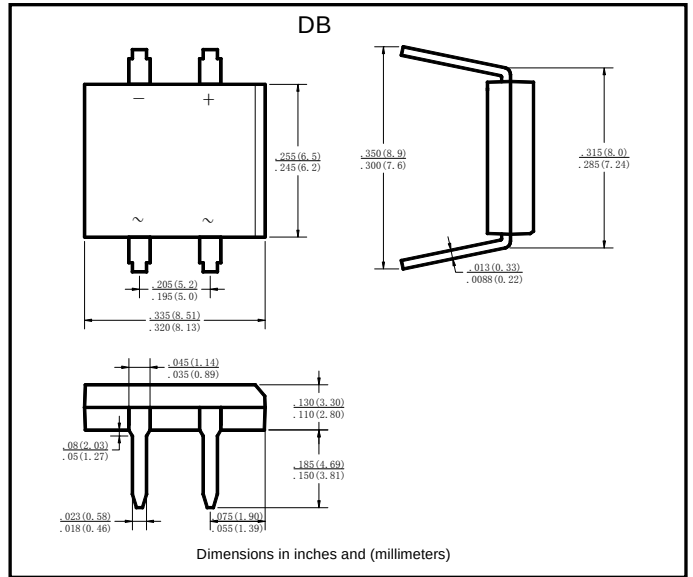
参数名称 Item	符号 Symbol	单位 Unit	条件 Conditions	DB1						
				51	52	53	54	55	56	57
反向重复峰值电压 Repetitive Peak Reverse Voltage	V _{RRM}	V		50	100	200	400	600	800	1000
平均整流输出电流 Average Rectified Output Current	I _O	A	60Hz正弦波，电阻负载，Ta=25℃ 60Hz sine wave, R-load,Ta=25℃	1.5						
正向（不重复）浪涌电流 Surge(Non-repetitive)Forward Current	I _{FSM}	A	60Hz正弦波，一个周期，T _j =25℃ 60Hz sine wave, 1 cycle, T _j =25℃	30						
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 ² t	A ² S	1ms≤t<8.3ms T _j =25℃，单个二极管 1ms≤t<8.3ms T _j =25℃， Rating of per diode	3.7						
存储温度 Storage Temperature	T _{stg}	℃		-55 ~+150						
结温 Junction Temperature	T _j	℃		-55 ~+150						

■电特性（ $T_a=25^\circ\text{C}$ 除非另有规定）

Electrical Characteristics ($T_a=25^\circ\text{C}$ 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	$I_{FM}=1.5\text{A}$, 脉冲测试, 单个二极管的额定值 $I_{FM}=1.5\text{A}$, Pulse measurement, Rating of per diode	1.1
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	$R_{\theta J-A}$	$^\circ\text{C}/\text{W}$	结和环境之间, 安装在玻璃-环氧基板上 Between junction and ambient, On glass-epoxi substrate	68
	$R_{\theta J-L}$		结和引线之间 Between junction and lead	15

■外形尺寸和印记 Outline Dimensions and Mark



■特性曲线（典型） Characteristics(Typical)

图1: I_o - T_a 曲线
FIG1: I_o - T_a Curve

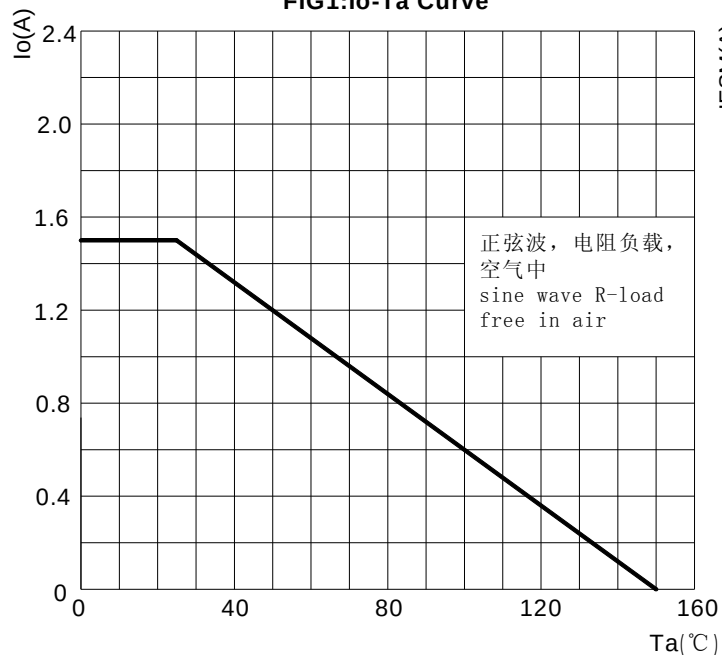


图2: 耐正向浪涌电流曲线
FIG2: Surge Forward Current Capability

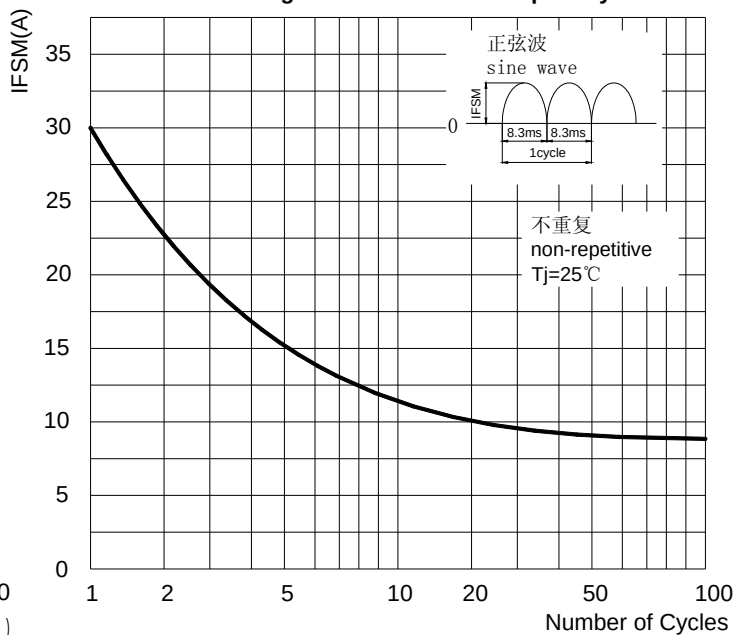


图3: 正向电压曲线
FIG3: Forward Voltage

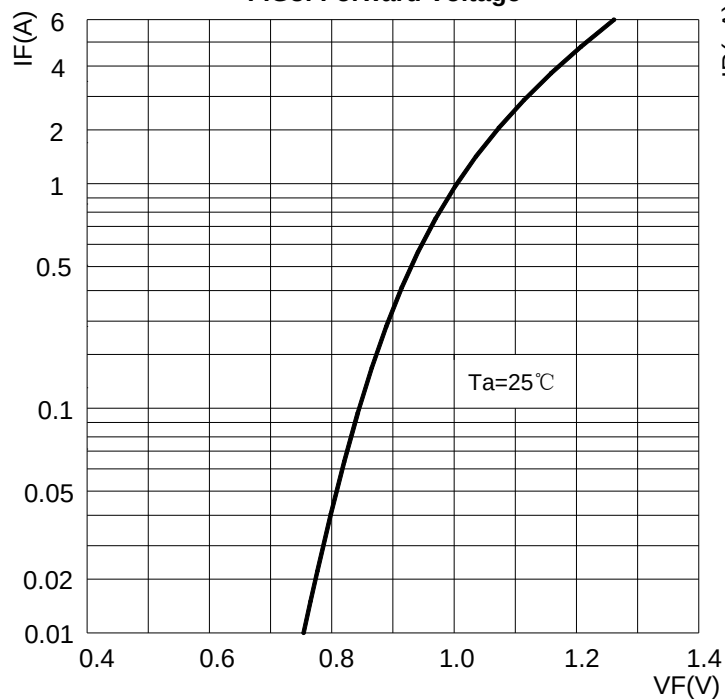


图4: 反向电流曲线
FIG4: Typical Reverse Characteristics

