



## 高效整流二极管 High Efficient Rectifier Diode

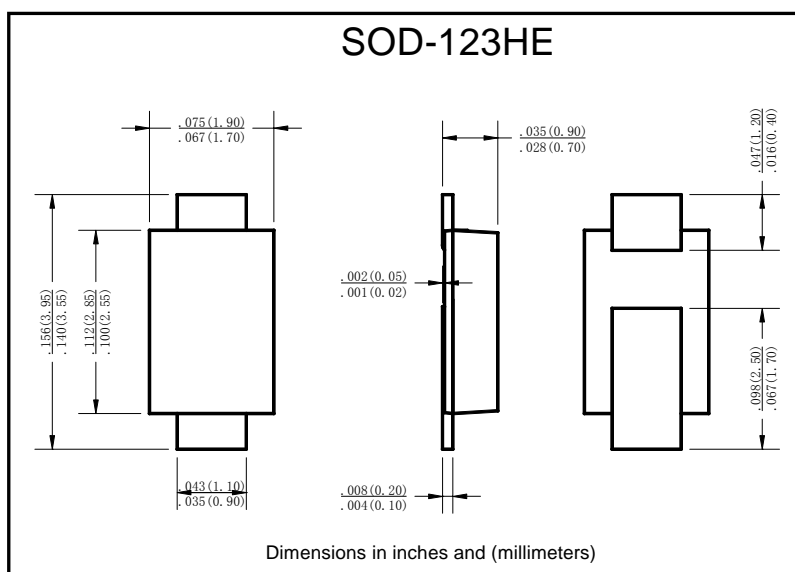
### ■特征 Features

- $I_o$  1.0A
- $V_{RRM}$  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

- 作一般电源单相整流  
For general power supply single-phase rectifier

### ■外形尺寸 Outline Dimensions and Mark



### ■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	H1						
				AL	BL	DL	GL	JL	KL	ML
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单向半波, 电阻负载, $T_a=75^\circ\text{C}$ 60Hz One-way half-wave, R-load, $T_a=75^\circ\text{C}$	1.0						
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, $T_j=25^\circ\text{C}$ 60Hz sine wave, 1 cycle, $T_j=25^\circ\text{C}$	30						
存储温度 Storage Temperature	$T_{stg}$	$^\circ\text{C}$		-55 ~ +150						
结温 Junction Temperature	$T_j$	$^\circ\text{C}$		-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	H1						
				AL	BL	DL	GL	JL	KL	ML
正向峰值电压 Peak Forward Voltage	$V_{FM}$	V	$I_{FM}=1.0\text{A}$	1.0		1.3		1.7		
最大反向恢复时间 Maximum reverse recovery time	$t_{rr}$	ns	$I_F=0.5\text{A}, I_R=1.0\text{A}, I_{RR}=0.25\text{A}$	50				75		
反向峰值电流 Peak Reverse Current	$I_{RRM}$	$\mu\text{A}$	$V_{RM}=V_{RRM}, T_a=25^\circ\text{C}$	5						
热阻 Thermal Resistance	$R_{\theta J-L}$	$^\circ\text{C/W}$	结和引线之间 Between junction and lead	15						

## ■特性曲线（典型） Characteristics(Typical)

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

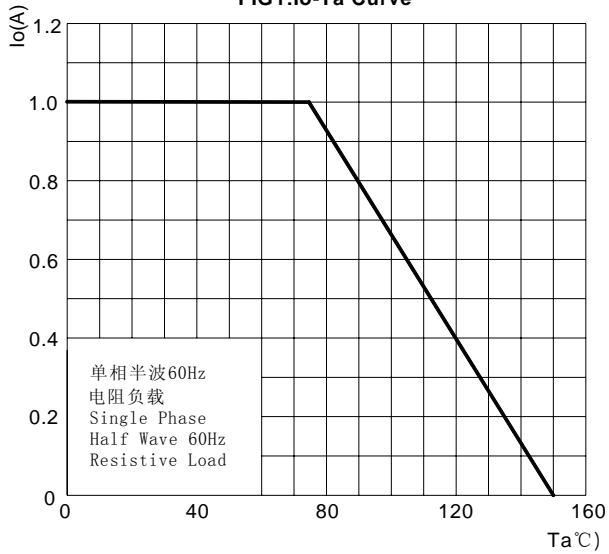


图2: 耐正向浪涌电流曲线  
FIG2:Surge Forward Current Capadility

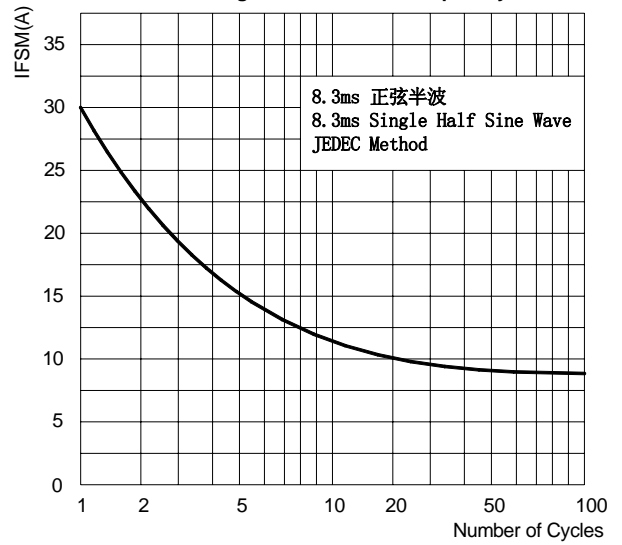


图3: 正向电压曲线  
FIG3: Forward Voltage

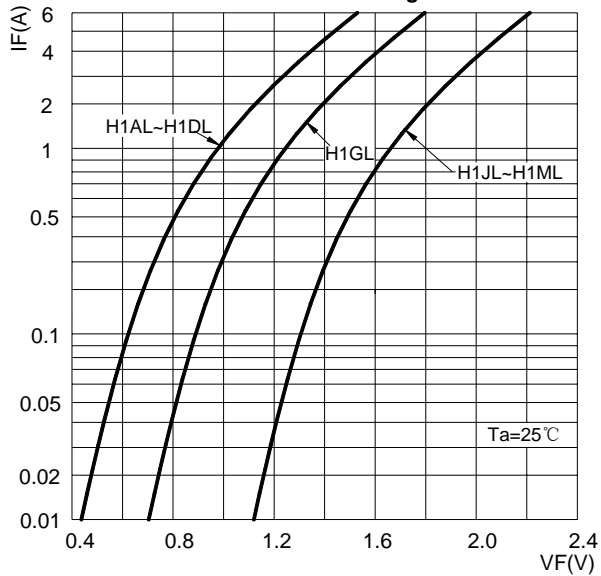


图4: 反向电流曲线  
FIG4:Typical Reverse Characteristics

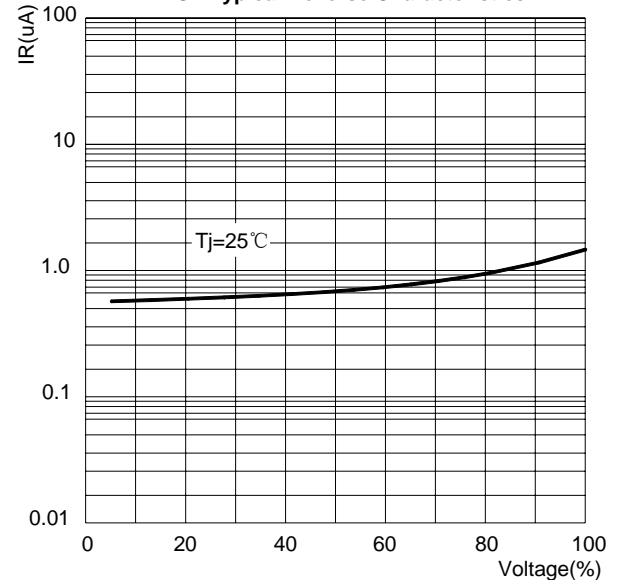


图5: 反向恢复时间试验电路及测试波形示意图

FIG.5: Diagram of circuit and Testing wave form of reverse recovery time

