



## 单向硅整流桥堆

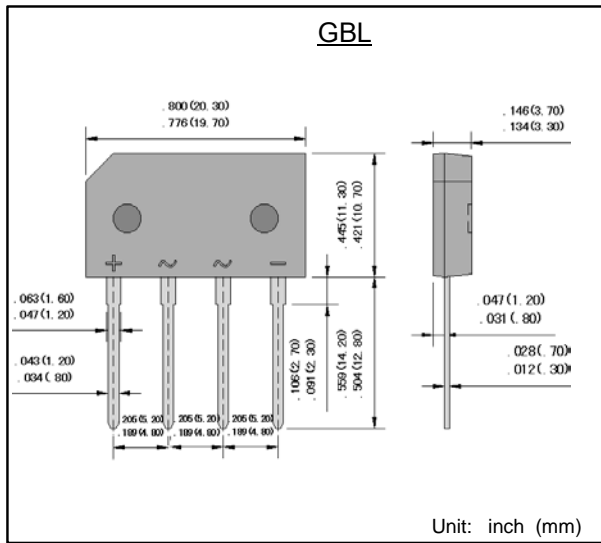
反向电压 50 ~ 800 V

正向电流 1.5 A

## Single phase Silicon Bridge Rectifiers

Reverse Voltage 50 ~ 800 V

Forward Current 1.5 A



### 特征 Features

- 反向漏电流低 Low reverse leakage
- 正向浪涌承受能力强 High forward surge capability
- 高信赖性 High reliability
- 玻璃钝化芯片 Glass passivated chip
- 引线 and 管体皆符合RoHS标准  
Lead and body according with RoHS standard
- 型号后缀“-F”标记无卤素产品  
Green compound with suffix "-F" on Marking

### 机械数据 Mechanical Data

- 封装外形: GBL 塑封 Case: GBL Molded plastic
- 环氧树脂: UL易燃等级: 94V-0  
Epoxy: UL 94V-0 rate flame retardant
- 引脚: 镀锡, 无铅 Lead: Pure tin plated, lead free
- 安装位置: 任意 Mounting Position: Any

### 最大值和特性 TA = 25°C 除非另有规定。

### Maximum Ratings & Characteristics

Ratings at 25°C ambient temperature unless otherwise specified.

参数 Parameter	符号 Symbols	D2S B05	D2S B10	D2S B20	D2S B40	D2S B60	D2S B80	单位 Unit
最大可重复峰值反向电压 Maximum repetitive peak reverse voltage	$V_{RRM}$	50	100	200	400	600	800	V
最大均方根电压 Maximum RMS voltage	$V_{RMS}$	35	70	140	280	420	560	V
最大直流阻断电压 Maximum DC blocking voltage	$V_{DC}$	50	100	200	400	600	800	V
最大正向平均整流电流 Maximum average forward rectified current	$I_{F(AV)}$	1.5						A
正向不重复浪涌电流 8.3 ms 单一正弦半波 Non-repetitive peak forward surge current 8.3 ms singlehalf sine-wave	$I_{FSM}$	80						A
熔断系数 $t \leq 8.3$ ms Current squared time $t \leq 8.3$ ms	$I^2t$	32						A <sup>2</sup> S
最大正向电压 @IF=0.75A Maximum forward voltage	$V_F$	1.05						V
最大反向电流 @V <sub>DC</sub> TA= 25°C Maximum reverse current	$I_R$	5						μA
典型热阻 Typical thermal resistance (Note 1) Typical thermal resistance (Note 1)	$R_{\theta JL}$	10						°C/W
工作结温 and 存储温度 Operating junction and storage temperature range	$T_j, T_{STG}$	-55 --- +150						°C

备注 Note:

1) 安装在PCB板上, 从PN结到引脚的热阻。

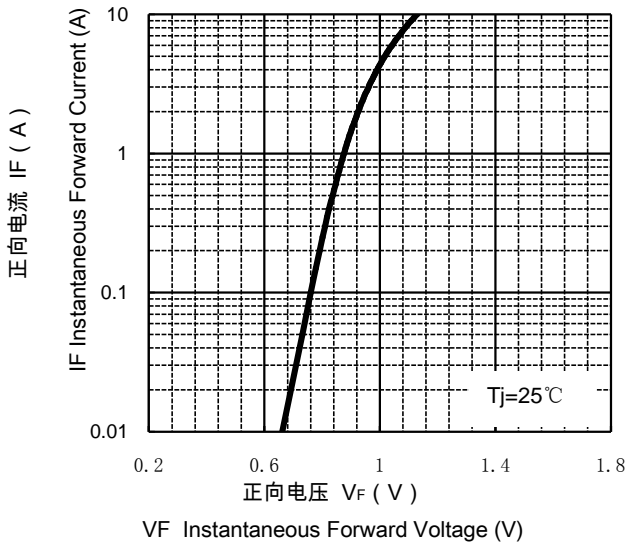
1) Thermal resistance from junction to lead, PCB mounted.



## 特性曲线 Characteristic Curves

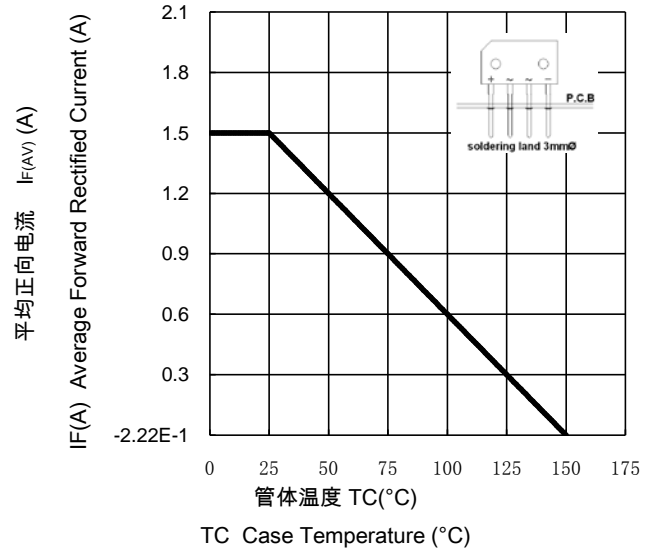
正向特性曲线 (典型值)

TYPICAL FORWARD CHARACTERISTIC



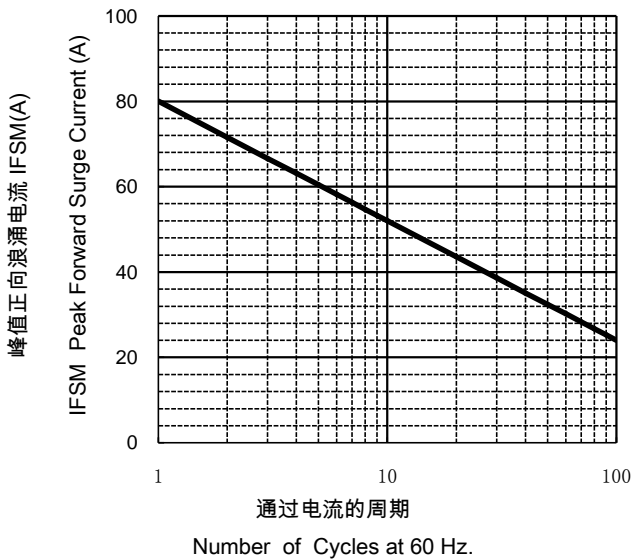
正向电流降额曲线

FORWARD CURRENT DERATING CURVE



浪涌特性曲线 (最大值)

MAXIMUM NON REPETITIVE PEAK FORWARD SURGE CURRENT



反向特性曲线

Typical Reverse Characteristics

