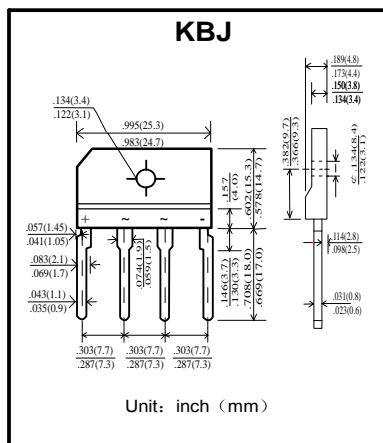


塑封硅整流桥堆
反向电压 50---800V
正向电流 4 A

Single-phase Silicon Bridge Rectifier
Reverse Voltage 50 to 800V
Forward Current 4 A



特征 Features

- 反向漏电流低 Low reverse leakage
- 正向浪涌承受能力较强 High forward surge capability
- 浪涌承受能力: 120A Surge overload rating: 120 Amperes peak
- 引线 and 管体皆符合RoHS标准。
Lead and body according with RoHS standard

机械数据 Mechanical Data

- 封装: 塑料封装 Case: Molded Plastic
- 极性: 标记模压或印于本体 Polarity: Symbols molded or marked on body
- 安装位置: 任意 Mounting Position: Any
- 安装扭矩: 推荐值 0.3牛*米 Mounting torque: Recommend 0.3 N*m

极值和温度特性 $T_A = 25^\circ\text{C}$ 除非另有规定。

Maximum Ratings & Thermal Characteristics Ratings at 25°C ambient temperature unless otherwise specified.

	符号 Symbols	D3SB 05	D3SB 10	D3SB 20	D3SB 40	D3SB 60	D3SB 80	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 $T_C = 100^\circ\text{C}$ Maximum average forward rectified current	$I_{F(AV)}$	4.0						A
峰值正向浪涌电流 8.3ms单一正弦半波 Peak forward surge current 8.3 ms single half sine-wave	I_{FSM}	120						A
典型热阻 Typical thermal resistance	$R_{\theta JC}$	5.5						$^\circ\text{C}/\text{W}$
工作结温和存储温度 Operating junction and storage temperature range	T_J, T_{STG}	-55--- +150						$^\circ\text{C}$

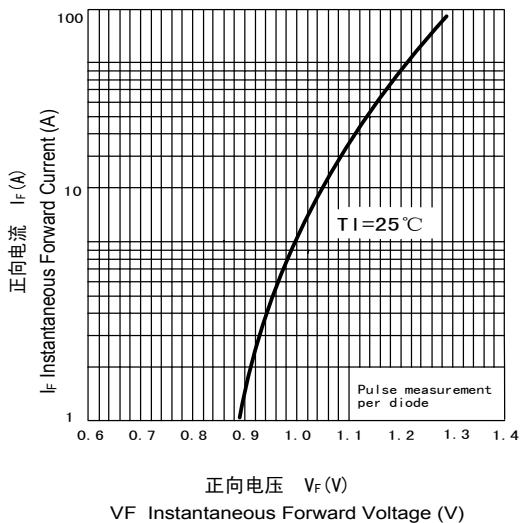
电特性 $T_A = 25^\circ\text{C}$ 除非另有规定。

Electrical Characteristics Ratings at 25°C ambient temperature unless otherwise specified.

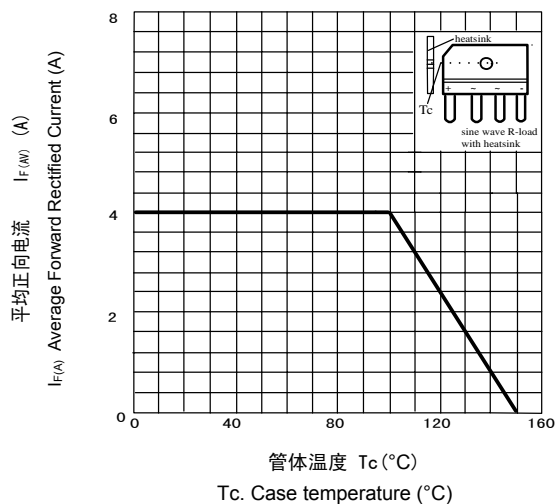
	符号 Symbols	D3SB 05	D3SB 10	D3SB 20	D3SB 40	D3SB 60	D3SB 80	单位 Unit
最大正向电压 $I_F = 2.0\text{A}$ Maximum forward voltage	V_F	1.05						V
最大反向电流 Maximum reverse current	I_R	10 500						μA
典型结电容 $V_R = 4.0\text{V}, f = 1\text{MHz}$ Type junction capacitance	C_j	40						pF

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

