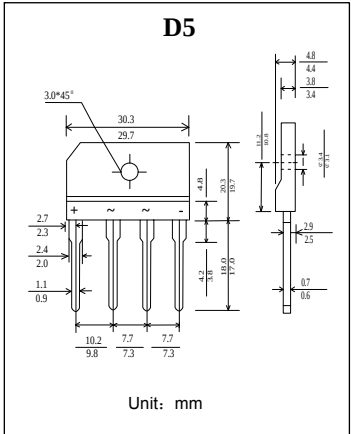


塑封硅整流桥堆
反向电压 200---800V
正向电流 25 A

Single-phase Silicon Bridge Rectifier
Reverse Voltage 200 to 800V
Forward Current 25A



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: 350 A Surge overload rating: 350 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 0.5牛*米 Mounting torque: Recommend 0.5 N*m

极限值和温度特性 TA = 25℃ 除非另有规定。

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

	符号 Symbols	D25SB20	D25SB40	D25SB60	D25SB80	单位 Unit
最大可重复峰值反向电压 Maximum repetitive peak reverse voltage	V_{RRM}	200	400	600	800	V
最大均方根电压 Maximum RMS voltage	V_{RMS}	140	280	420	560	V
最大直流阻断电压 Maximum DC blocking voltage	V_{DC}	200	400	600	800	V
最大正向平均整流电流 TC = 100℃ Maximum average forward rectified current	$I_{F(AV)}$	25				A
峰值正向浪涌电流 8.3ms单一半正弦波 Peak forward surge current 8.3 ms single half sine-wave	I_{FSM}	350				A
典型热阻 Typical thermal resistance	$R_{\theta JA}$	22				℃/W
工作结温和存储温度 Operating junction and storage temperature range	T_J, T_{STG}	-55--- +150				℃

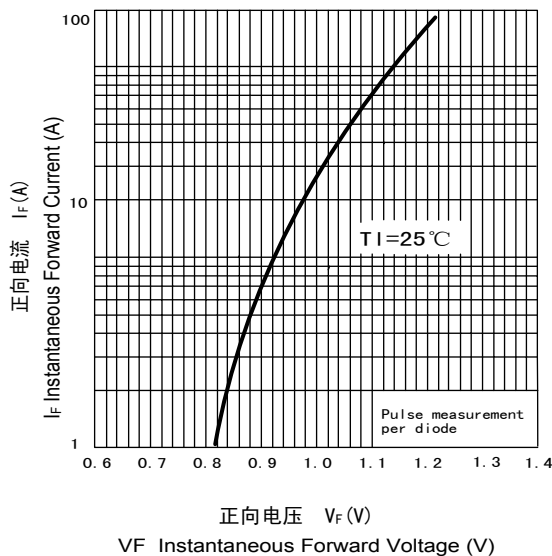
电特性 TA = 25℃ 除非另有规定。

Electrical Characteristics Ratings at 25℃ ambient temperature unless otherwise specified.

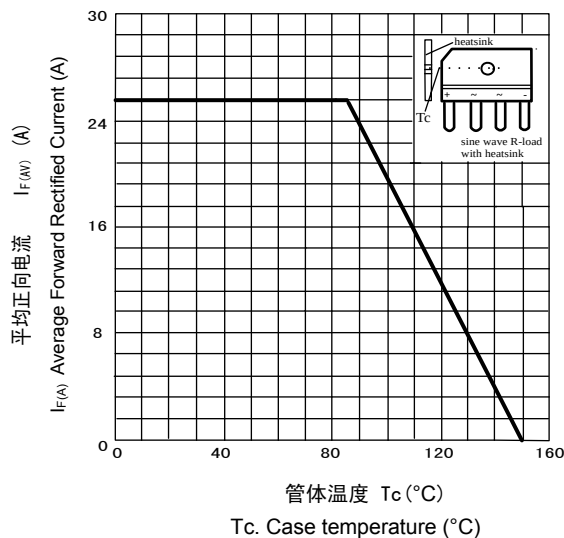
	符号 Symbols	D25SB20	D25SB40	D25SB60	D25SB80	单位 Unit
最大正向电压 $I_F = 12.5A$ Maximum forward voltage	V_F	1.1				V
最大反向电流 TA= 25℃ Maximum reverse current TA = 125℃	I_R	10 500				μA
典型结电容 $V_R = 4.0V, f = 1MHz$ Type junction capacitance	C_j	40				pF

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

