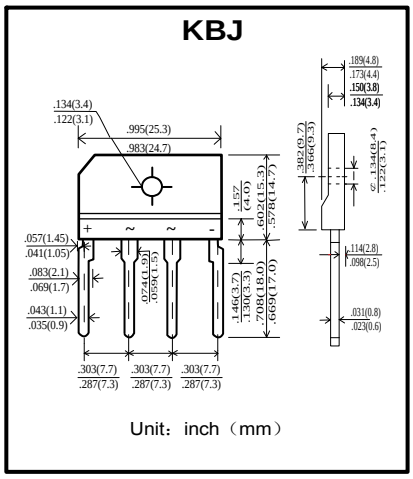
SIYU®

D3SB05 ..... D3SB80

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
- 引线和管体皆符合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

·安装扭距: 推荐值 0.3牛*米 Mounting torque：Recommend 0.3 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.

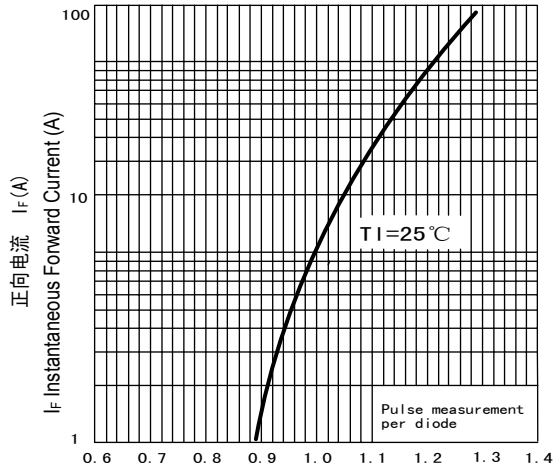
	符号 Symbols	D3SB 05	D3SB 10	D3SB 20	D3SB 40	D3SB 60	D3SB 80	单位 Unit
最大可重复峰值反向电压 Maximum repetitive peak reverse voltage	V_{RRM}	50	100	200	400	600	800	V
最大均方根电压 Maximum RMS voltage	V_{RMS}	35	70	140	280	420	560	V
最大直流阻断电压 Maximum DC blocking voltage	V_{DC}	50	100	200	400	600	800	V
最大正向平均整流电流 TC =100℃ 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						℃/W
工作结温和存储温度 Operating junction and storage temperature range	Tj, TSTG	-55--- +150						℃

电特性 TA = 25℃ 除非另有规定。
Electrical Characteristics Ratings at 25℃ ambient temperature unless otherwise specified.

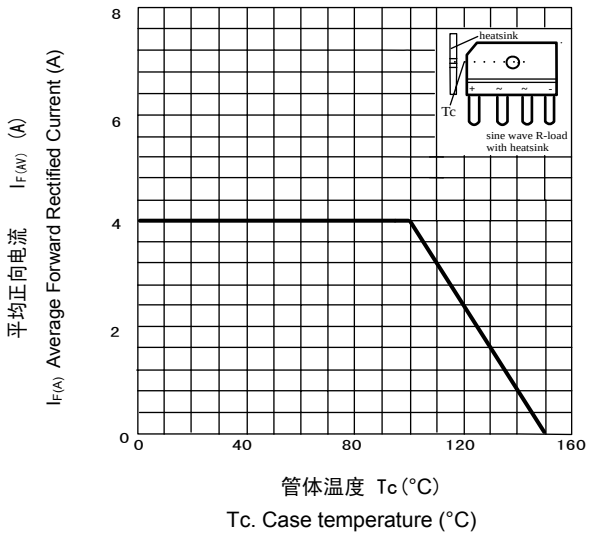
	符号 Symbols	D3SB 05	D3SB 10	D3SB 20	D3SB 40	D3SB 60	D3SB 80	单位 Unit
最大正向电压 I_F = 2.0A Maximum forward voltage	V_F	1.05						V
最大反向电流 TA= 25℃ TA = 125℃ Maximum reverse current	I_R	10 500						μA
典型结电容 V_R = 4.0V, f = 1MHz Type junction capacitance	Cj	40						pF

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

