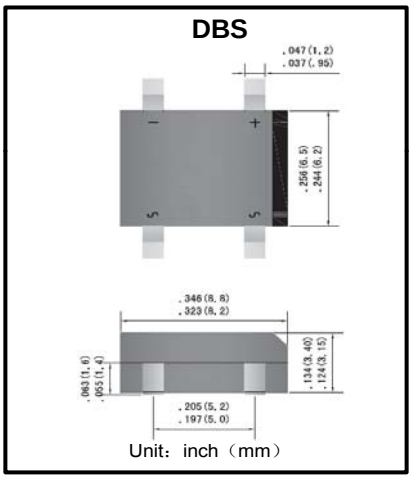
SIYU®

DB151S DB157S

表面安装桥式整流器
反向电压 50---1000V
正向电流 1. 5A

Surface Mount Bridge-Rectifier
Reverse Voltage 50 to 1000V
Forward Current 1.5 A



特征 Features

- 高电流浪涌承受能力 High surge current Capability
- 高温焊接保证High tempererature soldering guaranteed:
  260℃/10 秒 260℃/10 seconds
- 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

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	DB151S	DB152S	DB153S	DB154S	DB155S	DB156S	DB157S	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	1000	V
最大均方根电压 Maximum RMS voltage	V_{RMS}	35	70	140	280	420	560	700	V
最大直流阻断电压 Maximum DC blocking voltage	V_{DC}	50	100	200	400	600	800	1000	V
最大正向平均整流电流 TC =100℃ Maximum average forward rectified current	$I_{F(AV)}$	1.5							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}	50							A
典型热阻 Typical thermal resistance	$R_{\theta JA}$	40							℃/W
工作结温和存储温度 Operating junction and storage temperature range	Tj, TSTG	-55--- +150							℃

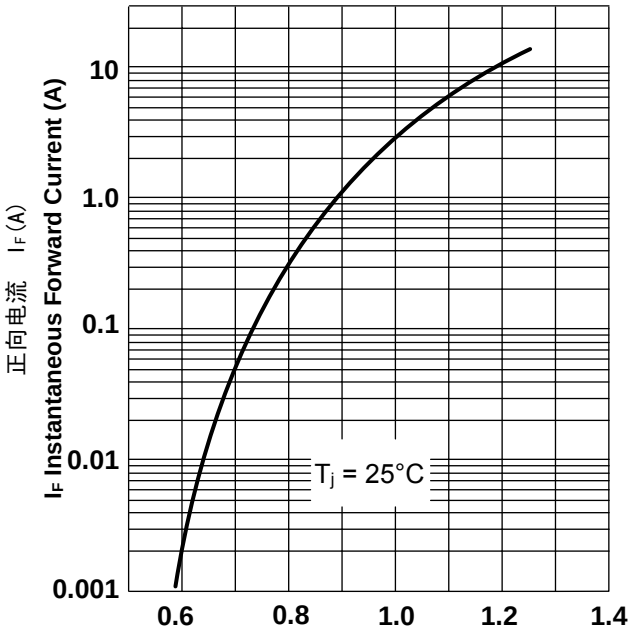
电特性 TA = 25℃ 除非另有规定。
Electrical Characteristics Ratings at 25℃ ambient temperature unless otherwise specified.

	符号 Symbols	DB151S	DB152S	DB153S	DB154S	DB155S	DB156S	DB157S	单位 Unit
最大正向电压 I_F = 1.5A Maximum forward voltage	V_F	1.1							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	25							pF

特性曲线 Characteristic Curves

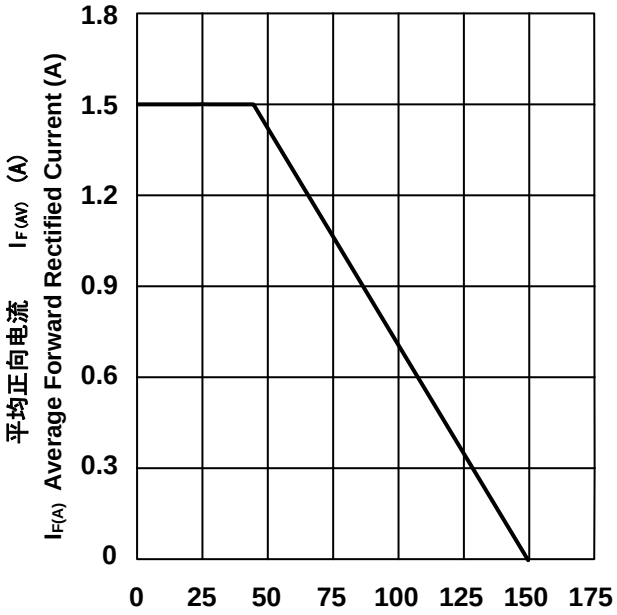
正向特性曲线（典型值）

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

