SIYU®

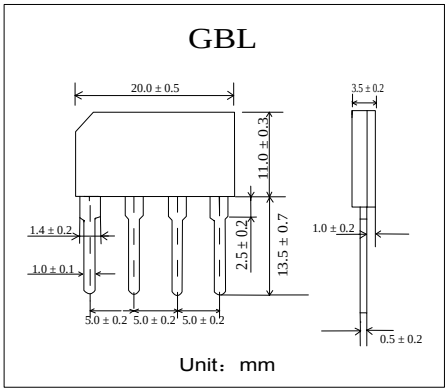
GBL201.....GBL207

塑封硅整流桥堆

反向电压 50---1000V
正向电流 2.0 A

Single-phase Silicon Bridge Rectifier

Reverse Voltage 50 to 1000 V
Forward Current 2.0A



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：80 A Surge overload rating: 80 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

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	GBL 201	GBL 202	GBL 203	GBL 204	GBL 205	GBL 206	GBL 207	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	$I_{F(AV)}$	2.0							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}	80							A
典型热阻 Typical thermal resistance	$R_{\theta JA}$	47							℃/W
工作结温和存储温度 Operating junction and storage temperature range	Tj, TSTG	-55--- +150							℃

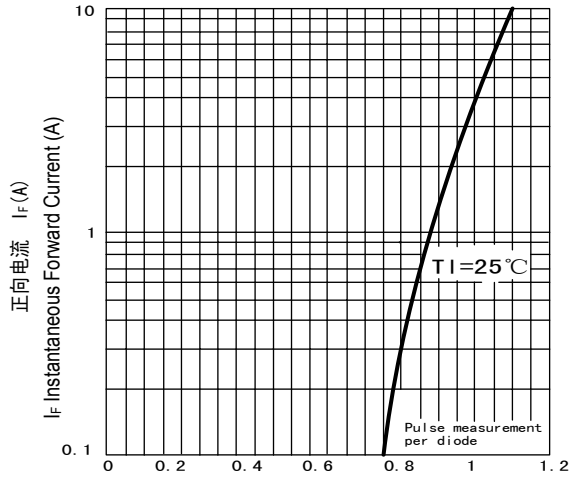
电特性 TA = 25℃ 除非另有规定。

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

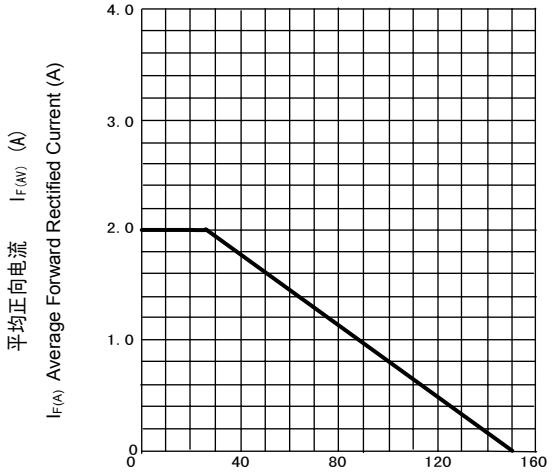
		符号 Symbols	GBL 201	GBL 202	GBL 203	GBL 204	GBL 205	GBL 206	GBL 207	单位 Unit
最大正向电压 Maximum forward voltage	I_F =1.0A	V_F	1.05							V
最大反向电流 Maximum reverse current	TA= 25℃ TA = 125℃	I_R	10 500							μA

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

