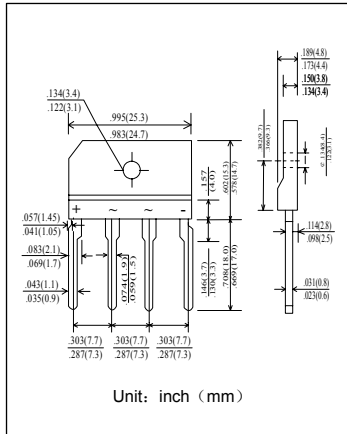


塑封硅整流桥堆  
反向电压 50---1000V  
正向电流 6.0 A

Single-phase Silicon Bridge Rectifier  
Reverse Voltage 50 to 1000 V  
Forward Current 6.0 A



**特征 Features**

- 低的反向漏电流 Low reverse leakage
- 较强的正向浪涌承受能力 High forward surge capability
- 浪涌承受能力: 170 A Surge overload rating:170 Amperes peak

**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
- 重量: 4.6 克 Weight:4.6 Grams

**极限值和温度特性** TA = 25°C 除非另有规定。

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

	符号	KBJ601	KBJ602	KBJ603	KBJ604	KBJ606	KBJ608	KBJ610	单位
	Symbols	GBJ601	GBJ602	GBJ603	GBJ604	GBJ606	GBJ608	GBJ610	Unit
最大可重复峰值反向电压 Maximum repetitive peak reverse voltage	$V_{RRM}$	100	200	300	400	600	800	1000	V
最大均方根电压 Maximum RMS voltage	$V_{RMS}$	70	140	210	280	420	560	700	V
最大直流阻断电压 Maximum DC blocking voltage	$V_{DC}$	100	200	300	400	600	800	1000	V
最大正向平均整流电流 Maximum average forward rectified current	$I_{F(AV)}$	加散热片 $T_c = 111^\circ C$							A
无散热片 $T_a = 25^\circ C$		6.0 2.8							
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	$I_{FSM}$	170							A
最大反向峰值电流 Maximum peak reverse current full cycle	$I_{R(AV)}$	@ $T_A = 75^\circ C$ 30							$\mu A$
典型热阻 Typical thermal resistance	$R_{\theta JA}$	10							$^\circ C/W$
工作结温和存储温度 Operating junction and storage temperature range	$T_j, T_{STG}$	-50 --- +150							$^\circ C$

**电特性** TA = 25°C 除非另有规定。

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

	符号	KBJ601	KBJ602	KBJ603	KBJ604	KBJ606	KBJ608	KBJ610	单位
	Symbols	GBJ601	GBJ602	GBJ603	GBJ604	GBJ606	GBJ608	GBJ610	Unit
最大正向电压 Maximum forward voltage	$V_F$	$I_F = 3.0A$ 1.0							V
最大反向电流 Maximum reverse current	$I_R$	$T_A = 25^\circ C$ $T_A = 100^\circ C$ 10 500							$\mu A$
典型结电容 Type junction capacitance	$C_j$	$V_R = 4.0V, f = 1MHz$ 40							pF

特性曲线 Characteristic Curves

