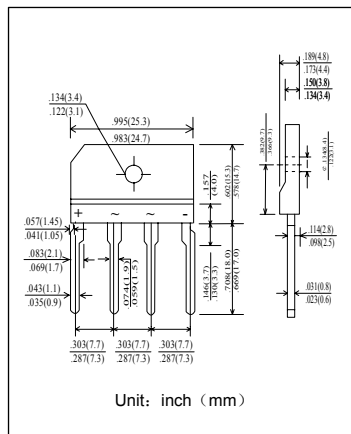


塑封硅整流桥堆
反向电压 50---1000V
正向电流 6.0 A

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℃ 除非另有规定。

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

	符号 Symbols	KBJ601	KBJ602	KBJ603	KBJ604	KBJ606	KBJ608	KBJ610	单位 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 加散热片 $T_c = 111^\circ\text{C}$ Maximum average forward rectified current 无散热片 $T_a = 25^\circ\text{C}$	$I_{F(AV)}$	6.0 2.8							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}	170							A
最大反向峰值电流 @ $T_A = 75^\circ\text{C}$ Maximum peak reverse current full cycle	$I_{R(AV)}$	30							μA
典型热阻 Typical thermal resistance	$R_{\theta JA}$	10							$^\circ\text{C/W}$
工作结温和存储温度 Operating junction and storage temperature range	T_j, T_{STG}	-50 --- +150							$^\circ\text{C}$

电特性 TA = 25℃ 除非另有规定。

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

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

特性曲线 Characteristic Curves

