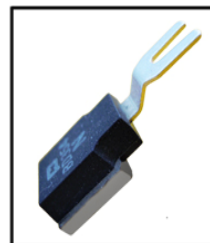


**特性/机械性能:**

- ◆大电流承受能力.High current capability
- ◆低成本.Low cost
- ◆扩散烧结. Diffused junction
- ◆正向压降低.Low forward voltage drop
- ◆低漏电流. Low leakage current
- ◆高浪涌承受能力.High surge current capability
- ◆35A 工作在表面温度是125℃,无热损耗的情况下.


**BLOCK**

35Ampere Operation At TL=125℃ With No Thermal Runaway

- ◆反向重复峰值浪涌电流 IRSM=40A/L;  
T=80ms方波                    IRSM=30A/M;  
   IRSM=20A/H;

**极限值和电参数:**
**MAXIMUM RATINGS AND CHARACTERISTICS**

TA= 25℃除非另有规定。单相,正半弦波,60HZ,阻抗或电感负载。为电容装载,减少电流的20%。  
Rating at 25℃ ambient temperature unless otherwise specified. Single phase, half wave, 60HZ, resistive or inductive load. For capacitive load, derate current by 20%

型号TYPE	SYMBOL	ZQB35L	ZQB35M	ZQB35H	UNITS
最大峰值反向电压 Maximum Current Peak Reverse Voltage	VRRM	16	20	28	V
最大反向有效值电压 Working Peak Reverse Voltage	VRMS	16	20	28	V
最大直流截止电压 Maximum DC Blocking Voltage	VDC	16	20	28	V
击穿电压最小值 Breakdown voltage Min@IBR=100mA/TA=25℃	VBRL	20	24	36	V
击穿电压最大值 Breakdown voltage Max@IBR=100mA/TA=25℃	VBRH	26	32	42	V
最大正向平均整流电流Ta=125℃, Maximum Average Forward Rectified Current	IF (AV)	35			A
峰值正向浪涌电流 Peak Forward Surge Current 8.3ms Single Sine-wave on Rated Load (JEDEC Method)	IFSM	400			A
最大瞬间正向电压@100A Maximum Instantaneous Forward Voltage Drop at 100A DC	VF	1.04			V
最大反向直流电流 Ta= 25℃ Maximum DC Reverse Current at Rated DC Blocking Voltage Ta=150℃	IR	1.0 100			μA
工作及储存温度范围 Operating AND Storage Temperature Range	TJ, TSTG	-55~+150			℃

注 释 : 在1MHz下测量, 施加4.0V D.C的反向电压. NOTE: Measured at 1 MHz and Applied Reverse Voltage of 4.0 Volts D.C.

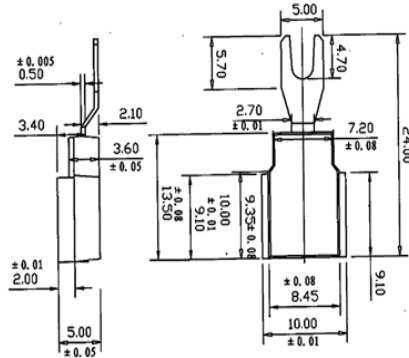
**产品外形尺寸:**
**Product appearance size**

**特性曲线图:**
**RATINGS AND CHARACTERISTIC CURVES**

FIG. 1 - 最大正向平均电流降额  
 FIG. 1 - MAXIMUM AVERAGE FORWARD CURRENT DERATING

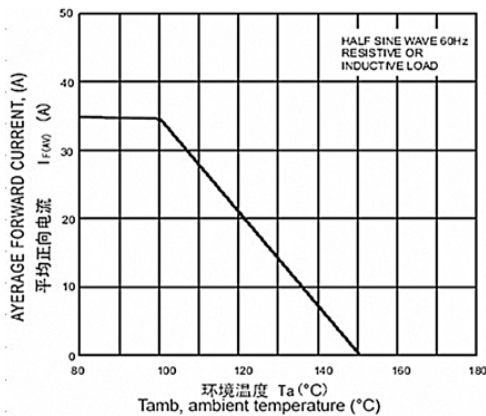


FIG. 2 - 最大非重复正向浪涌电流  
 FIG. 2 - MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

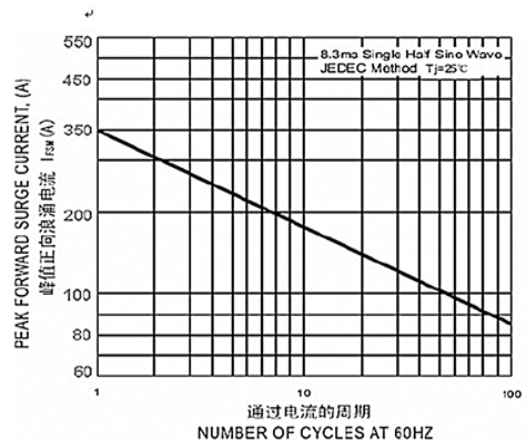


FIG. 3 - 脉冲波形  
 FIG. 3 - PULSE WAVEFORM

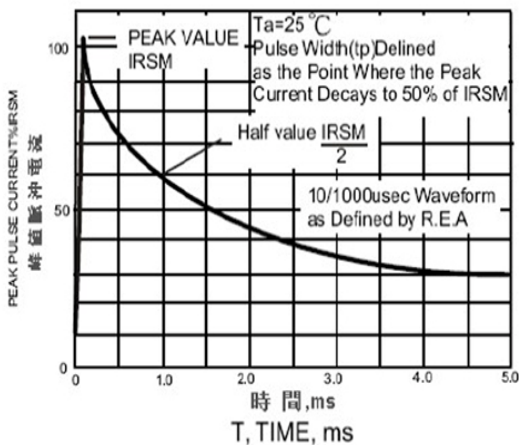


FIG. 4 - 正向特性曲线(典型)  
 FIG. 4 - TYPICAL FORWARD CHARACTERISTICS

