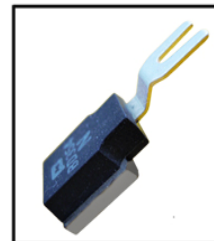


特性/机械性能:
FEATURES/MECHANICAL DATA

- ◆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. Low leakage current
- ◆高浪涌承受能力.High surge current capability
- ◆35A 工作在表面温度是125°C,无热损耗的情况下.
35Ampere Operation At TL=125°C With No Thermal Runaway



BLOCK

极限值和电参数:
MAXIMUM RATINGS AND CHARACTERISTICS

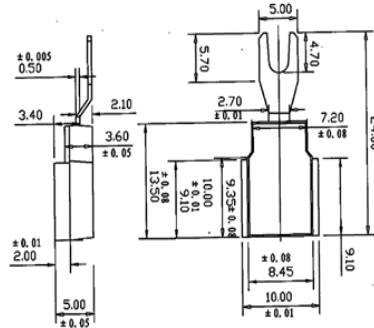
TA= 25°C除非另有规定。单相, 正半弦波, 60HZ, 阻抗或电感负载. 为电容装载, 减少电流的20%。
 Rating at 25°C ambient temperature unless otherwise specified. Single phase, half wave, 60HZ, resistive or inductive load. For capacitive load, derate current by 20%

型号TYPE	符号 SYMBOL	ZQ 5000	ZQ 5001	ZQ 5002	ZQ 5004	ZQ 5006	ZQ 5008	ZQ 5010	单位 UNITS
最大峰值反向电压 Maximum Current Peak Reverse Voltage	VRRM	50	100	200	400	600	800	1000	V
最大反向有效值电压 Working Peak Reverse Voltage	VRMS	35	70	140	280	420	560	700	V
最大直流截止电压 Maximum DC Blocking Voltage	VDC	50	100	200	400	600	800	1000	V
最大正向平均整流电流Ta=100°C, Maximum Average Forward Rectified Current	IF (AV)	50							A
峰值正向浪涌电流 Peak Forward Surge Current 8.3ms Single Sine-wave on Rated Load (JEDEC Method)	IFSM	500							A
最大瞬间正向电压@100A Maximum Instantaneous Forward Voltage Drop at 100A DC	VF	1.03							V
最大反向直流电流 Maximum DC Reverse Current Ta = 25°C at Rated DCBlocking Voltage Ta = 150°C	IR	1.0 200							μA μA
典型结电容 Typical Junction Capacitance (NOTE 1)	CJ	140							PF
工作及储存温度范围 Operating AND Storage Temperature Range	TJ,TSTG	-55~+150							°C

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

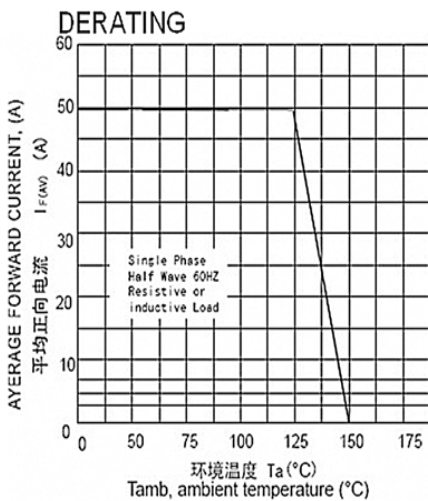


FIG. 2 - 最大非重复正向浪涌电流
FIG. 2 - MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

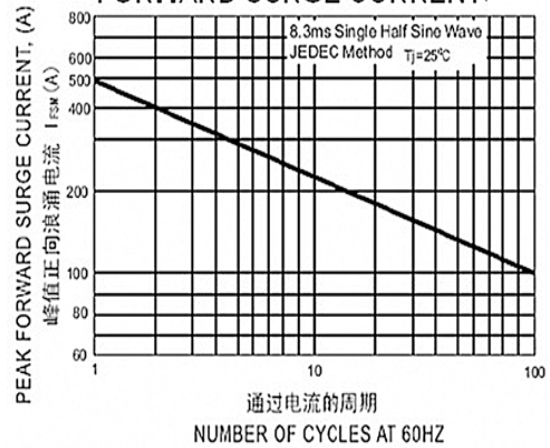


FIG. 3 - 反向特性曲线(典型)
FIG. 3 - TYPICAL REVERSE CHARACTERISTICS

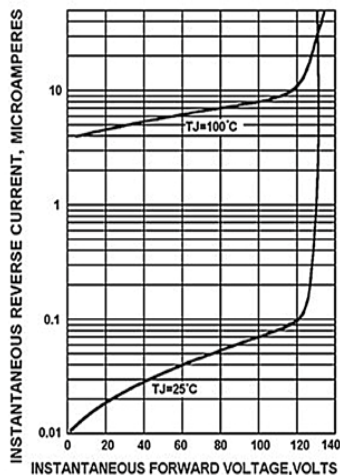


FIG. 4 - 正向特性曲线(典型)
FIG. 4 - TYPICAL FORWARD CHARACTERISTICS

