

特性/机械性能:
FEATURES/MECHANICAL DATE

◆大电流承受能力.High current capability

◆低成本.Low cost

◆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

◆小铜粒: $\Phi 0.190(4.82) \times 0.0394(1.0)$ 厚 Small copper: $\Phi 0.190(4.82) \times 0.0394(1.0)$ Thick

◆大铜粒: $\Phi 0.215(5.46) \times 0.0295(0.75)$ 厚 Large copper: $\Phi 0.215(5.46) \times 0.0295(0.75)$ Thick

◆外观信息: $\Phi 0.215(5.5) \times 0.0866(2.1 \pm 0.1)$ 厚

Outline information: $\Phi 0.215(5.5) \times 0.0866(2.1 \pm 0.1)$ Thick

◆极性: 大铜粒端为阴极。Polarity: Large copper cathode

◆反向重复峰值浪涌电流 $IRSM=26A/L$;

T=80ms方波

$IRSM=19A/M$;

$IRSM=13A/H$;


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	SCB25L	SCB25M	SCB25H	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)	25			A
峰值正向浪涌电流 Peak Forward Surge Current 8.3ms Single Sine-wave on Rated Load (JEDEC Method)	IFSM	300			A
最大瞬间正向电压@100A Maximum Instantaneous Forward Voltage Drop at 100A DC	VF	1.10			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			μ A
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.

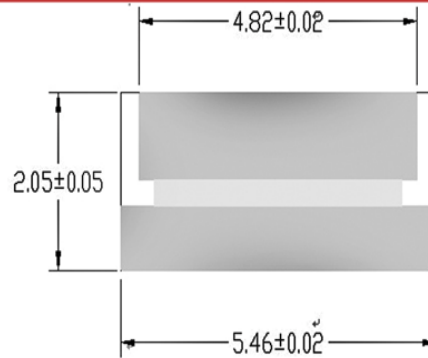
产品外形尺寸:
Product appearance size

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

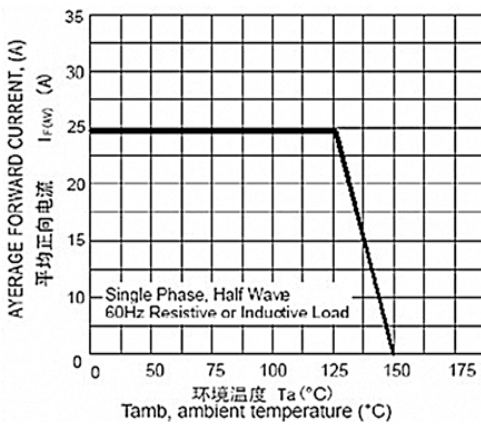


FIG. 2 - 最大非重复正向浪涌电流
 FIG. 2 - MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

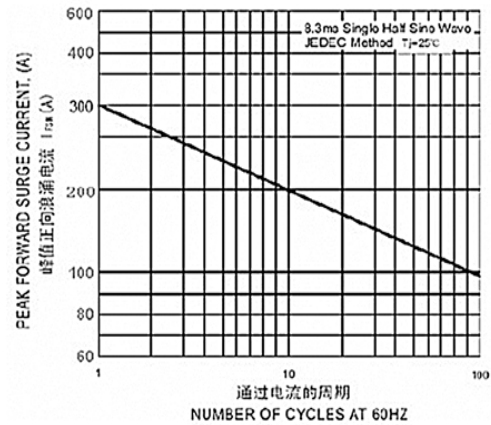


FIG. 3 - 脉冲波形
 FIG. 3 - PULSE WAVEFORM

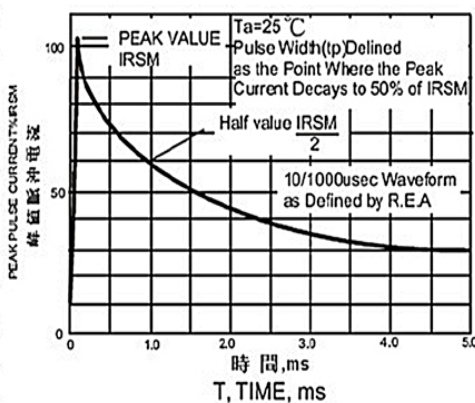


FIG. 4 - 正向特性曲线(典型)
 FIG. 4 - TYPICAL FORWARD CHARACTERISTICS

