

特性/机械性能:
FEATURES/MECHANICAL DATE

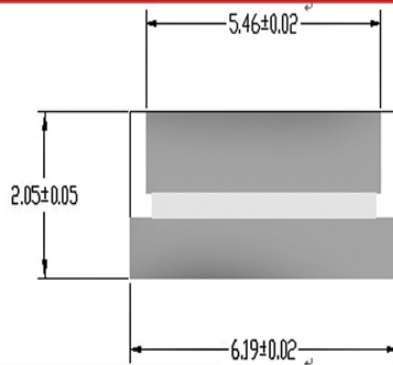
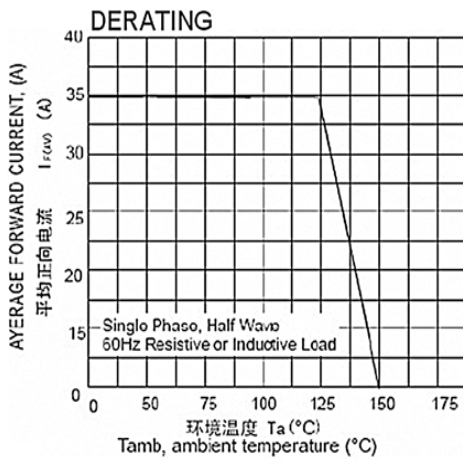
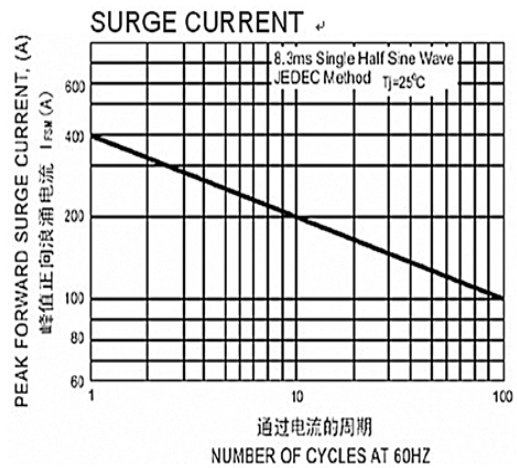
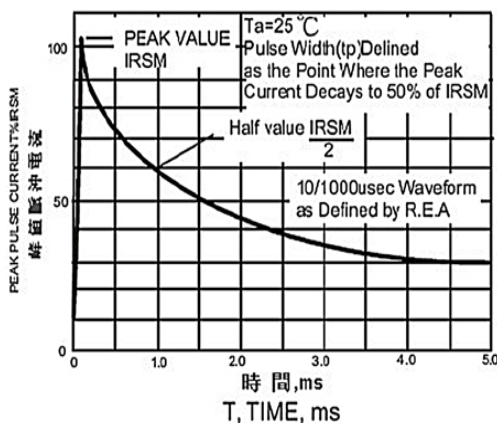
- ◆大电流承受能力.High current capability
- ◆低成本.Low cost
- ◆正向压降低.Low forward voltage drop
- ◆低漏电. Low leakage current
- ◆高浪涌承受能力.High surge current capability
- ◆小铜粒: $\Phi 0.215 (5.46) \times 0.0394(1.0)$ 厚 Small copper: $\Phi 0.215 (5.46) \times 0.0394(1.0)$ Thick
- ◆大铜粒: $\Phi 0.244(6.19) \times 0.0295(0.75)$ 厚 Large copper: $\Phi 0.244(6.19) \times 0.0295(0.75)$ Thick
- ◆外观信息: $\Phi 0.244(6.19) \times 0.08 (2.05 \pm 0.05)$ 厚
 Outline information: $\Phi 0.244(6.19) \times 0.08 (2.05 \pm 0.05)$ Thick
- ◆极 性: 大铜粒端为阴极。Polarity: Large copper cathode
- ◆反向重复峰值浪涌电流 $IRSM=40A/L$;
 $T=80ms$ 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 | SCB35L | SCB35M | SCB35H | 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@35A Maximum Instantaneous Forward Voltage Drop at 35A DC | VF | 1.04 | | | V |
| 最大反向直流电流 Ta= 25℃ Maximum DC Reverse Current at Rated DCBlocking 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

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

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
