

特性/机械性能:
FEATURES/MECHANICAL DATA

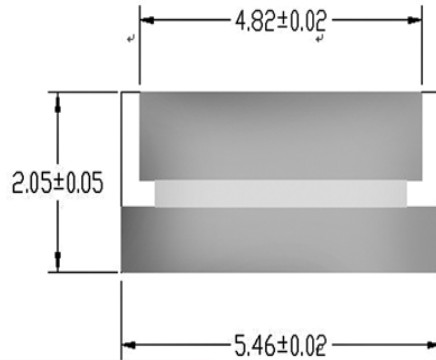
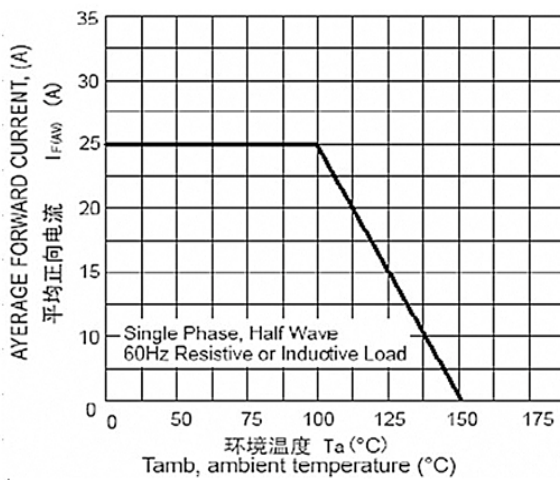
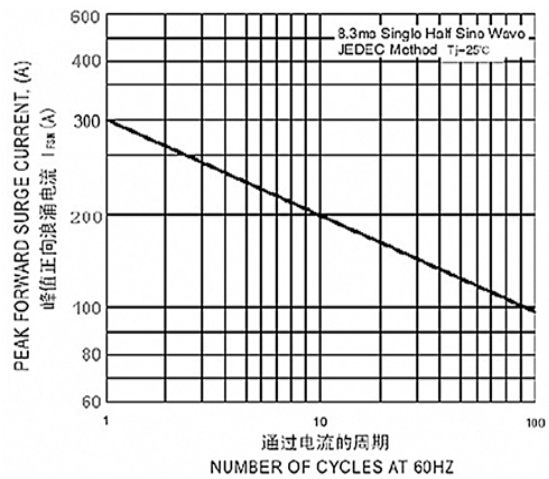
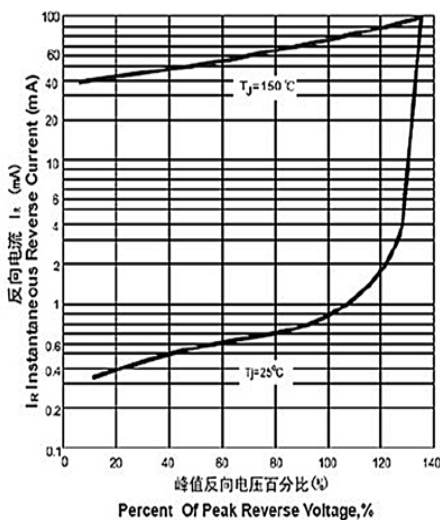
- ◆大电流承受能力.High current capability
- ◆正向压降低.Low forward voltage drop
- ◆低漏电. Low leakage current
- ◆高浪涌承受能力.High surge current capability
- ◆小铜粒: $\Phi 0.190(4.82) \times 0.0394(1.0)$ 厚
Small copper: $\Phi 0.190(4.82) \times 0.0394(1.0)$ Thick
- ◆大铜粒: $\Phi 0.215(5.46) \times 0.0295(0.75)$ 厚
Large copper: $\Phi 0.215(5.46) \times 0.0295(0.75)$ Thick
- ◆外观信息: $\Phi 0.215(5.46) \times 0.08(2.05 \pm 0.05)$ 厚
Outline information: $\Phi 0.215(5.46) \times 0.08(2.05 \pm 0.05)$ Thick
- ◆极性: 大铜粒端为阴极。
Polarity: Large copper cathode


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	SC25A	SC25B	SC25D	SC25G	SC25J	SC25K	SC25M	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=125°C, 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 Maximum DC Reverse Current Ta = 25°C at Rated DC Blocking Voltage Ta = 150°C	IR	1.0 200							μA μA
典型结电容 Typical Junction Capacitance (NOTE 1)	CJ	300							pF
工作及储存温度范围 Operating AND Storage Temperature Range	TJ,TSTG	-55~+195							°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 –MAXIMUM AVERAGE FORWARD CURRENT DERATING

FIG. 2 –MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT.

FIG. 3 –反向特性曲线(典型)
FIG. 3 – TYPICA REVERSE CHARACTERISTICS

FIG. 4 –正向特性曲线(典型)
FIG. 4 – TYPICA FORWARD CHARACTERISTICS
