

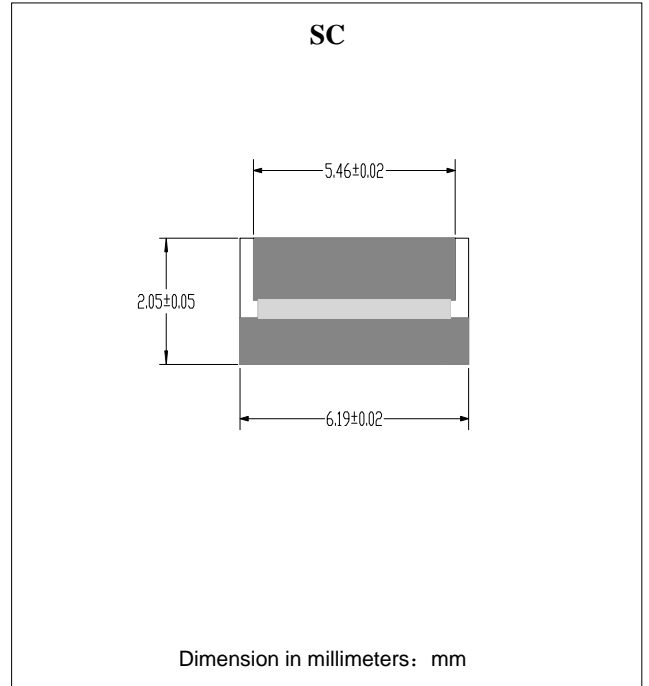


特性: FEATURES

- ◆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

机械性能: MECHANICAL DATA

- ◆小铜粒: $\Phi 0.215 (5.46) \times 0.0394(1.0)$ 厚度
Small copper: $\Phi 0.215 (5.46) \times 0.0394(1.0)$ Thick
- ◆大铜粒: $\Phi 0.244(6.19) \times 0.0295(0.75)$ 厚度
Large copper: $\Phi 0.244(6.19) \times 0.0295(0.75)$ Thick
- ◆外观信息: $\Phi 0.244(6.19) \times 0.08 (2.05 \pm 0.05)$ 厚度
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



极限值和电参数

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%

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25℃ Ambient temp. Unless otherwise specified.Single phase, half sine wave, 60HZ,resistive or inductive load.

型号 TYPE	符号	SCB35L	SCB35M	SCB35H	单位
最大峰值反向电压 Maximum Current Peak Reverse Voltage	V_{RRM}	16	20	28	V
最大反向有效值电压 Working Peak Reverse Voltage	V_{RMS}	16	20	28	V
最大直流截止电压 Maximum DC Blocking Voltage	V_{DC}	16	20	28	V
击穿电压最小值 Breakdown voltage Min@ $I_{BR}=100mA/TA=25^{\circ}C$	V_{BRL}	20	24	36	V
击穿电压最大值 Breakdown voltage Max@ $I_{BR}=100mA/TA=25^{\circ}C$	V_{BRL}	26	32	42	V
最大正向平均整流电流 $T_a=125^{\circ}C$, Maximum Average Forward Rectified Current	$I_{F(AV)}$	35			A
峰值正向浪涌电流 Peak Forward Surge Current 8.3ms Single Sine-wave on Rated Load (JEDEC Method)	I_{FSM}	400			A
最大瞬间正向压降@35A Maximum Instantaneous Forward Voltage Drop at 35A DC	V_F	1.04			V
最大反向直流电流 $t=200ms$ Maximum DC Reverse Current at Rated DC Blocking Voltage	I_R	1.0 100			μA
工作及储存温度范围 Operating AND Storage Temperature Range	T_J, T_{STG}	-55~+150			$^{\circ}C$

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



FIG. 1 –最大正向平均电流降额

FIG. 1 –MAXIMUM AVERAGE FORWARD CURRENT

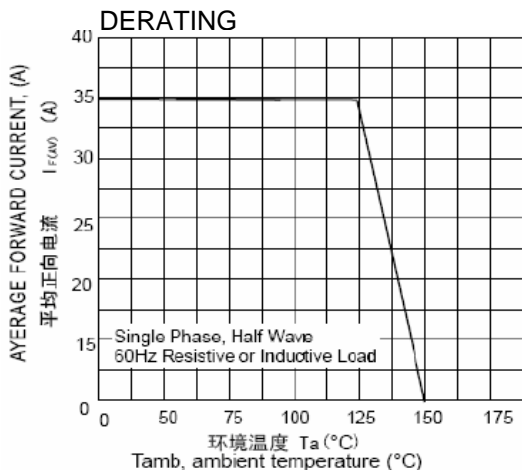


FIG. 2 –最大非重复正向浪涌电流

FIG. 2 –MAXIMUM NON-REPETITIVE FORWARD

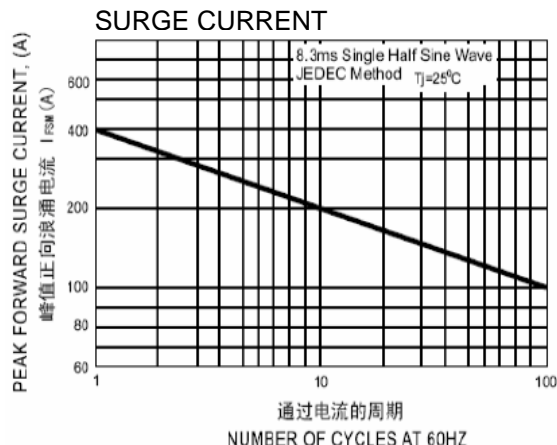


FIG. 3 –脉冲波形

FIG. 3 – PULSE WAVEFORM

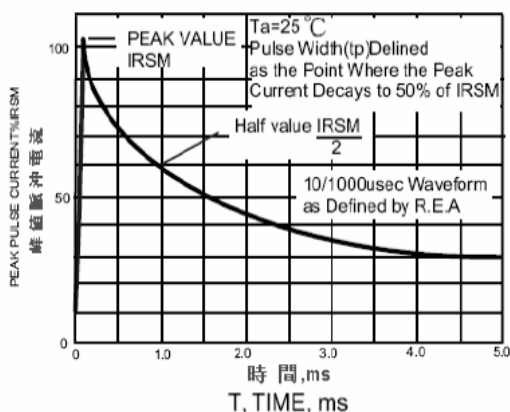


FIG. 4 –正向特性曲线(典型)

FIG. 4 – TYPICAL FORWARD CHARACTERISTICS

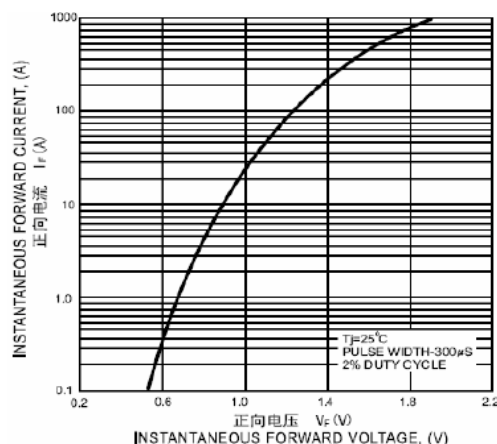


FIG.5–脉冲额定曲线

FIG.5–PULSE RATING CURVE

