SCB25L THRU SCB25H

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：Φ0.190(4.82) x 0.0394(1.0)厚度

Small copper：Φ0.190 (4.82) x 0.0394(1.0)Thick

◆ 大铜粒：Φ0.215(5.46) x 0.0295(0.75)厚度

Large copper：Φ0.215(5.46) x 0.0295(0.75)Thick

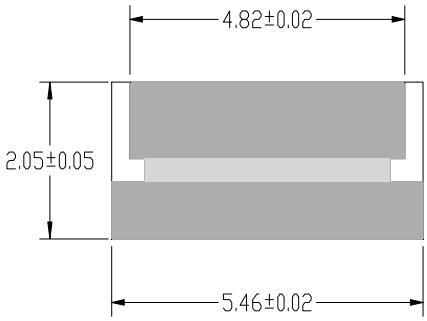
◆ 外观信息：Φ0.215(5.5 x 0.0866(2.1±0.1)厚度

Outline information：Φ0.215(5.5) x 0.0866(2.1±0.1)Thick

◆ 极 性：大铜粒端为阴极。

Polarity：Large copper cathode

SC



Dimension in millimeters：mm

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	SCB25L	SCB25M	SCB25H	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℃	V_{BRL}	20	24	36	V
击穿电压最大值 Breakdown voltage Max@I_{BR}=100mA/TA=25℃	V_{BRL}	26	32	42	V
最大正向平均整流电流Ta=125℃， Maximum Average Forward Rectified Current	$I_{F(AV)}$	25			A
峰值正向浪涌电流 Peak Forward Surge Current 8.3ms Single Sine-wave on Rated Load (JEDEC Method)	I_{FSM}	300			A
最大瞬间正向压降@100A Maximum Instantaneous Forward Voltage Drop at 100A DC	V_F	1.10			V
最大反向直流电流 t=200ms Maximum DC Reverse Current Ta = 25℃ at Rated DC Blocking Voltage Ta =150℃	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			℃

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.

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FIG. 1 –最大正向平均电流降额

FIG. 1 –MAXIMUM AVERAGE FORWARD CURRENT DERATING

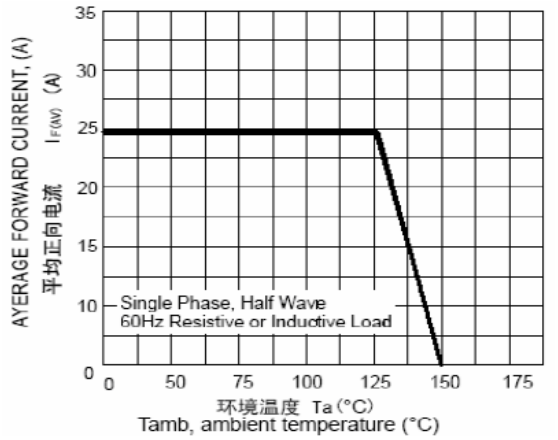


FIG. 2 –最大非重复正向浪涌电流

FIG. 2 –MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

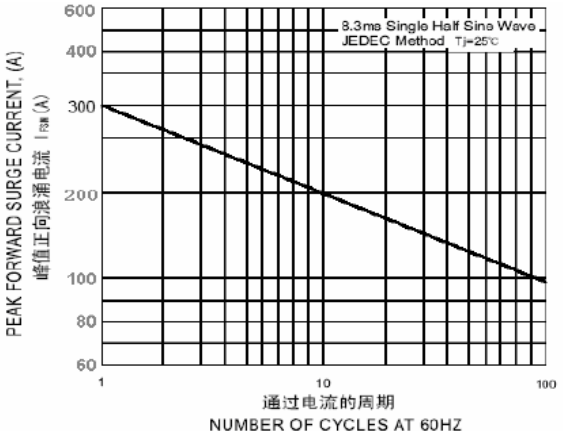


FIG. 3 –脉冲波形

FIG. 3 – PULSE WAVEFORM

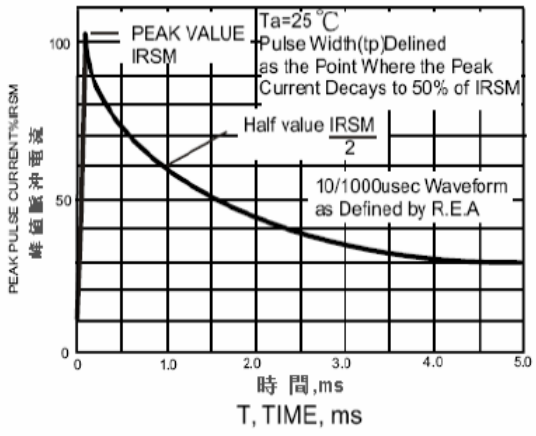


FIG. 4–正向特性曲线(典型)

FIG.4 – TYPICA FORWARD CHARACTERISTICS

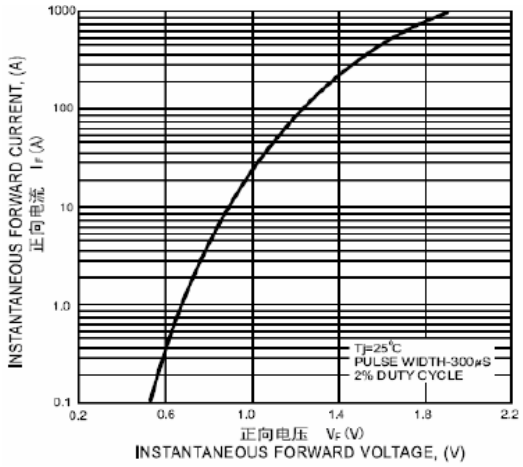


FIG.5–脉冲额定曲线

FIG.5–PULSE RATING CURVEE

