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SMA

Surface Mount Schottky Barrier Rectifier, Reverse Voltage: 40V, Forward Current: 3.0A ,SMA thin package.

" " (" " ; *5:</* -"

Low power loss, high efficiency, High forward surge current capability, For use in low voltage, high frequency inverters, and polarity protection applications,For surface mounted applications.Halogen free product.

"

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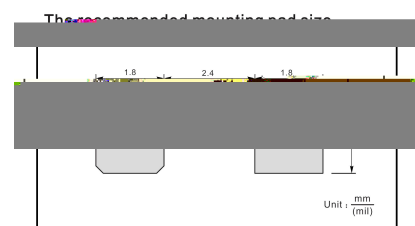
General purpose.

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See Marking Instructions.

" " " \$B-1=<:*"45C,D<D") 5:,78-E%5FAG H"

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参数 Parameter	符号 Symbol	数值 Rating	单位 Unit
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	40	V
Maximum RMS voltage	V_{RMS}	28	V
Maximum DC Blocking Voltage	V_{DC}	40	V
Maximum Average Forward Rectified Current at $T_c = 100^\circ C$	$I_F (AV)$	3.0	A
Peak Forward Surge Current, 8.3ms Single Half Sine-wave Superimposed on Rated Load	I_{FSM}	80	A
Typical Junction Capacitance ¹⁾	C_i	450	pF
Typical Thermal Resistance ²⁾	$R_{\theta JA}$	60	$^\circ C/W$
Operating Junction Temperature Range	T_j	-55~125	$^\circ C$
Storage Temperature Range	T_{stg}	-55~150	$^\circ C$

Note:

- 1) Measured at 1 MHz and applied reverse voltage of 4 V D.C
- 2) P.C.B. mounted with 2.0" X 2.0" (5 X 5 cm) copper pad areas.

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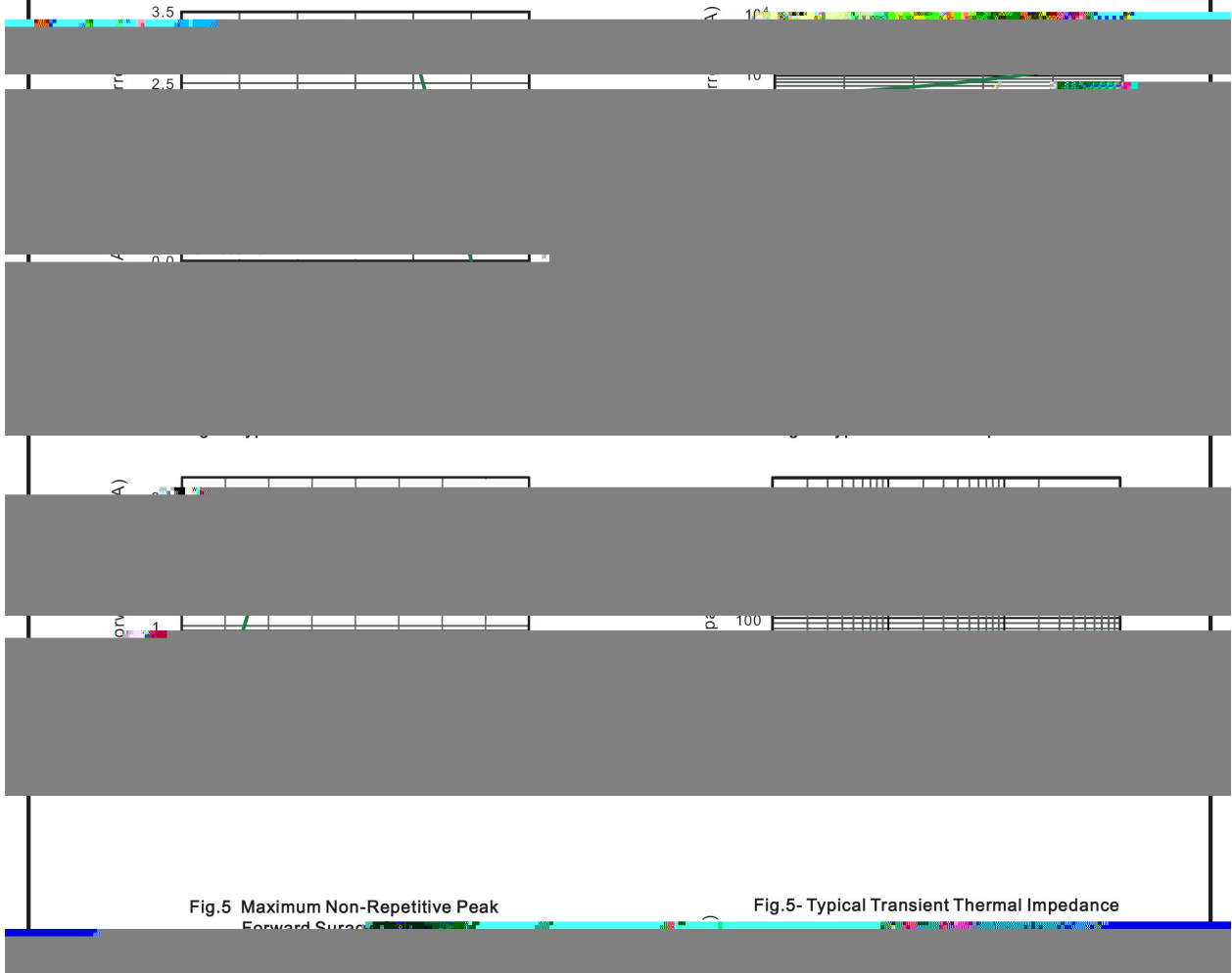
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参数 Parameter	符号 Symbol	测试条件 Test Conditions	数值 Rating	单位 Unit
Max Instantaneous Forward Voltage	V_F	$I_F = 3.0A$	0.45	V
Maximum DC Reverse Current at Rated DC Reverse Voltage	I_R	$T_a = 25^\circ C$	0.3	mA
		$T_a = 100^\circ C$	5.0	

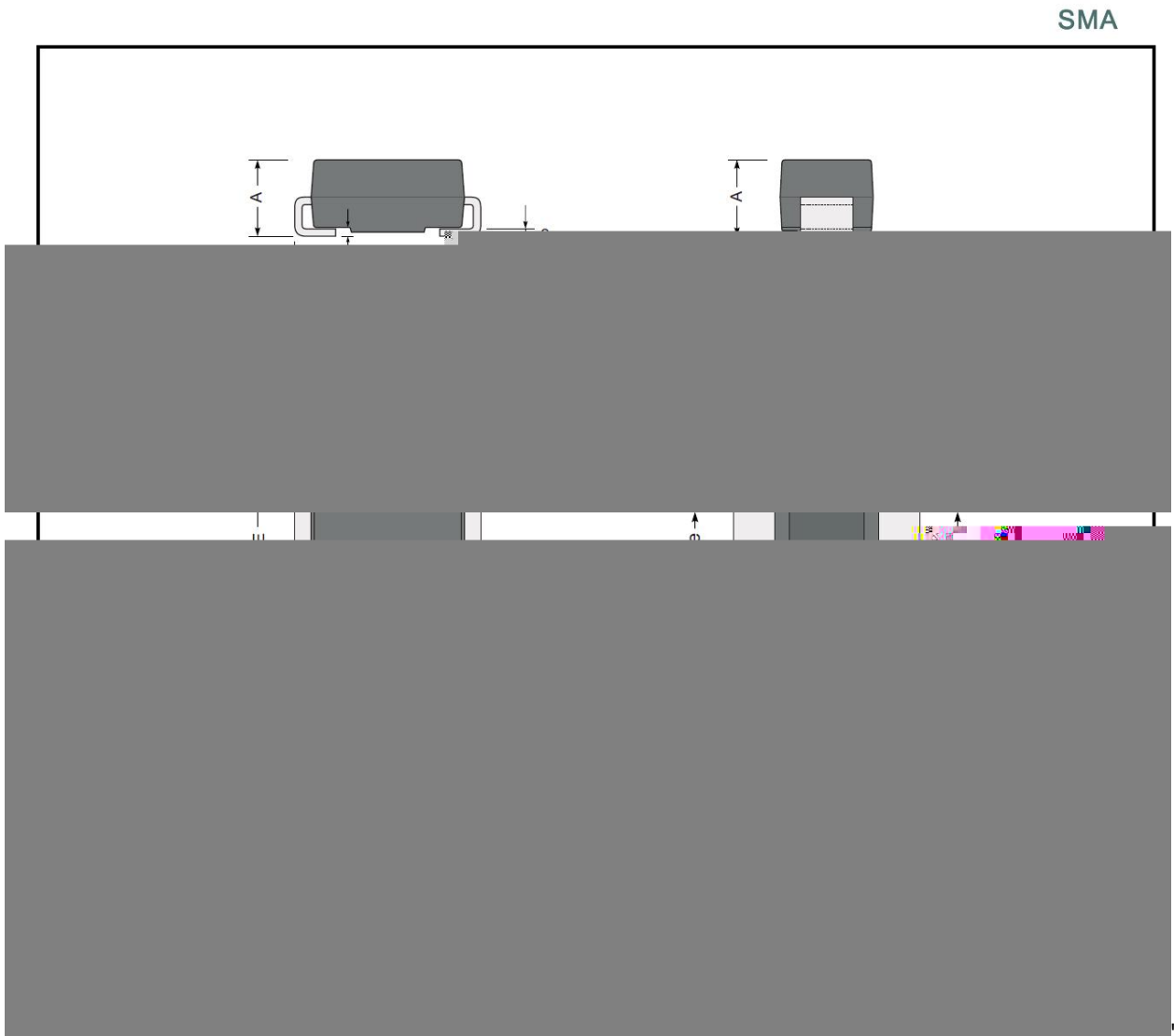
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Fig.1 Forward Current Derating Curve

Fig.2 Typical Reverse Characteristics



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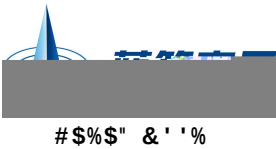
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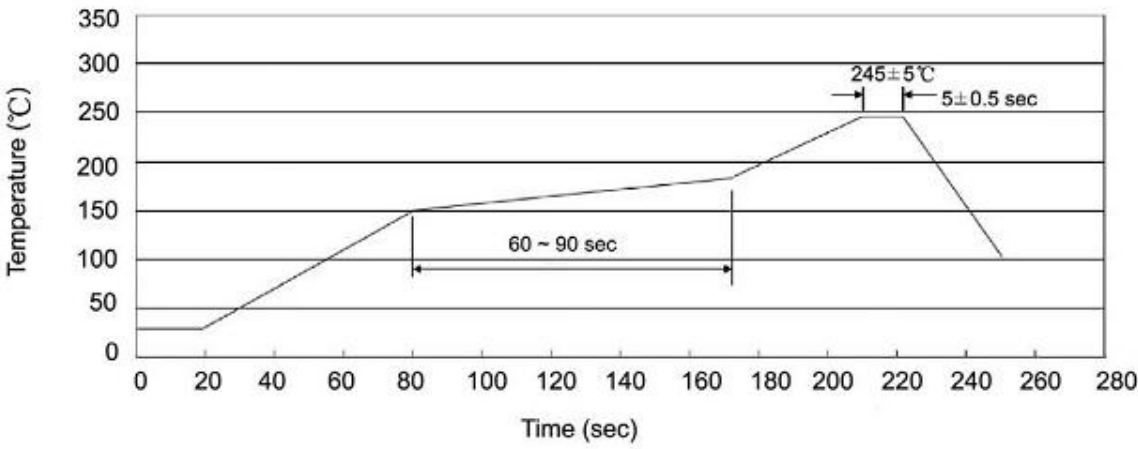
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SSL34 Product Type Code

<http://www.fsbrec.com>



E H " (" " Temperature Profile for IR Reflow Soldering(Pb-Free)



Note:

- | | | | | | |
|---|-------|-----|----|-----------|---|
| 1 | 150 | 180 | 60 | 90sec; | 1.Preheating:150~180 , Time:60~90sec. |
| 2 | 245±5 | | | 5±0.5sec; | 2.Peak Temp.:245±5 , Duration:5±0.5sec. |
| 3 | | 2 | 10 | /sec. | 3. Cooling Speed: 2~10 /sec. |

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