



Rev.A Jun.-2021

60V 5.0A SMBF
Surface Mount Schottky Barrier Rectifier, ReR P /k



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Parameter	Symbol	Rating	Unit
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	60	V
Maximum RMS voltage	V_{RMS}	42	V
Maximum DC Blocking Voltage	V_{DC}	60	V
Maximum Average Forward Rectified Current	$I_{F(AV)}$	5.0	A
Peak Forward Surge Current, 8.3ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	I_{FSM}	150	A
Typical Junction Capacitance ¹⁾	C_j	800	pF
Typical Thermal Resistance ²⁾	R_{JA}	40	°C/W

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.

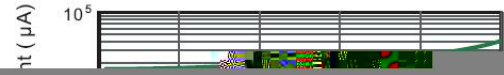
Parameter	Symbol	Test condition	Rating	Unit
Max Instantaneous Forward Voltage	V_F	$I_F=5.0A$	0.5	V
Maximum DC Reverse Current at Rated DC Reverse Voltage	I_R	$T_a=25^\circ C$	1.0	mA
		$T_a=100^\circ C$	50	



Fig.1 Forward Current Derating Curve



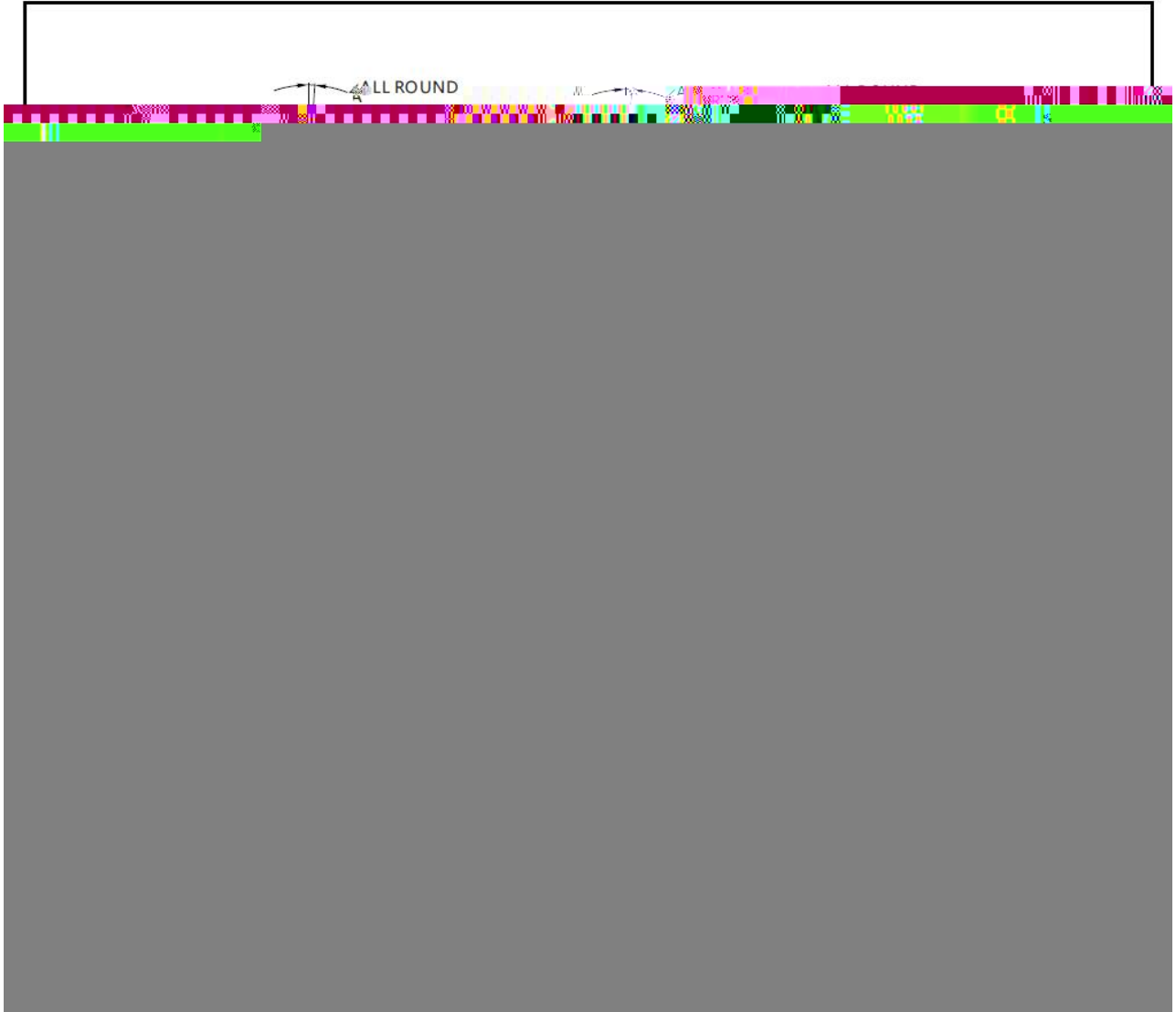
Fig.2 Typical Reverse Characteristics

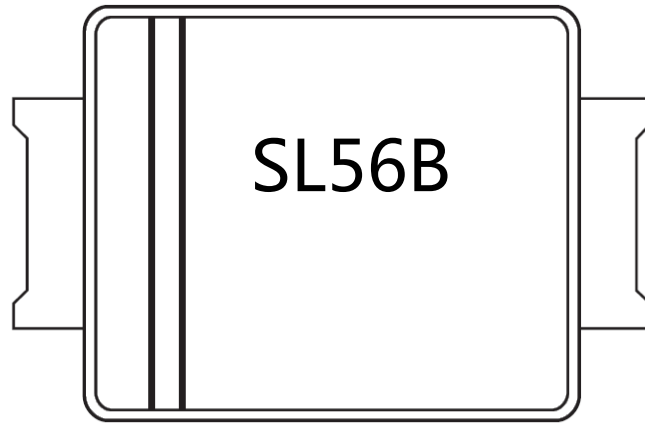




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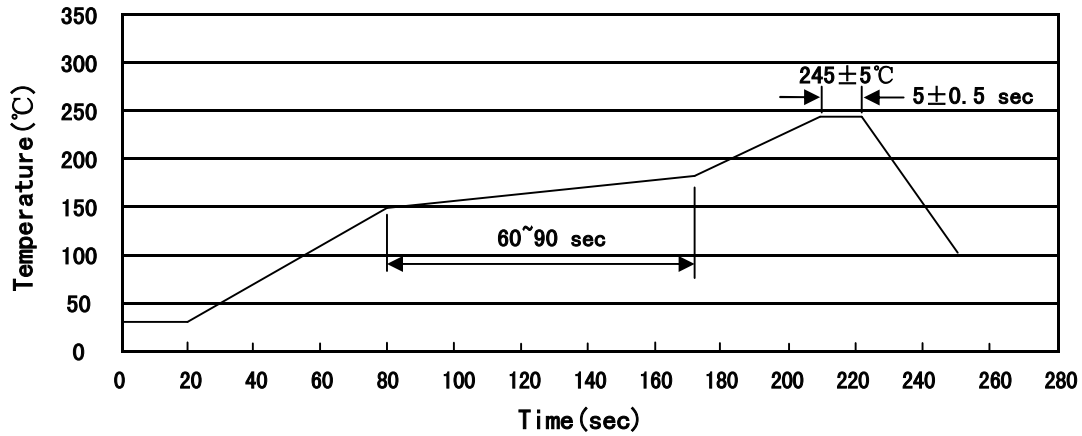
Note:

SL56B Product Type Code

Lot No. Code The 1st * means:YM Code The last 3 * means:little Lot No Code



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Note:

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

260±5°C

10±1 sec.

Temp.:260±5°C

Time:10±1 sec

/ REEL

Package Type	Units					Dimension		
	只卷盘	卷盘盒	只盒	盒箱	只箱			(unit n/m ³)
SMBF	5000	2	10000	7	70000	13" x12	336X336X40	380X335X366