



A	2020-4-7				



40V

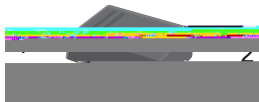
2.0A

SOD-123FL

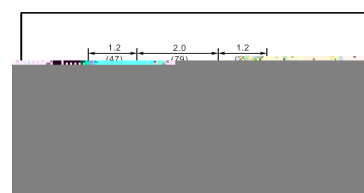
Surface Mount Schottky Barrier Rectifier, Reverse Voltage: 40V, Forward Current: 2.0A, SOD-123FL thin package.

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.

General purpose.



The recommended mounting pad size



See Marking Instructions.



Parameter	Symbol	DSL24W	Unit
Maximum Recurrent 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	$I_F (AV)$	2	A
Peak Forward Surge Current 8.3 ms Single Half Sine Wave Superimposed on Rated Load	I_{FSM}	50	A
Typical Junction Capacitance ¹⁾	C_i	290	pF
Typical Thermal Resistance ²⁾	$R_{\theta JA}$	70	°C/W
Operating Junction Temperature Range	T_j	-55~+125	°C



Fig.1 Forward Current Derating Curve

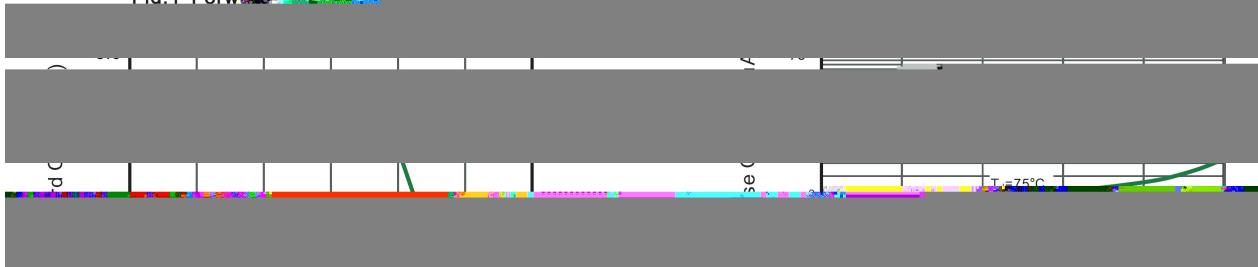
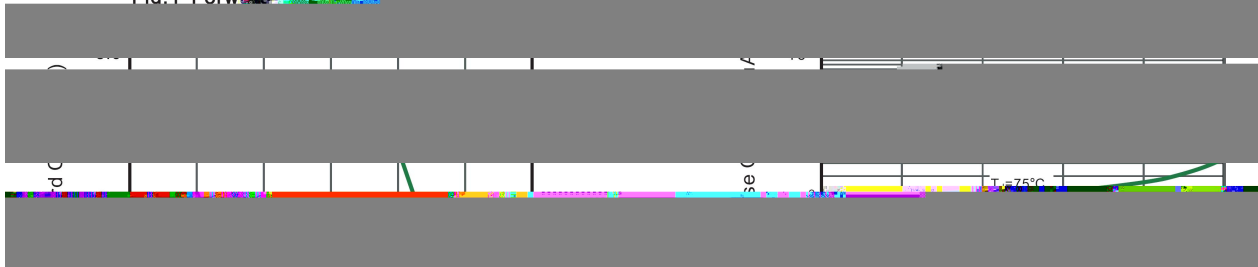
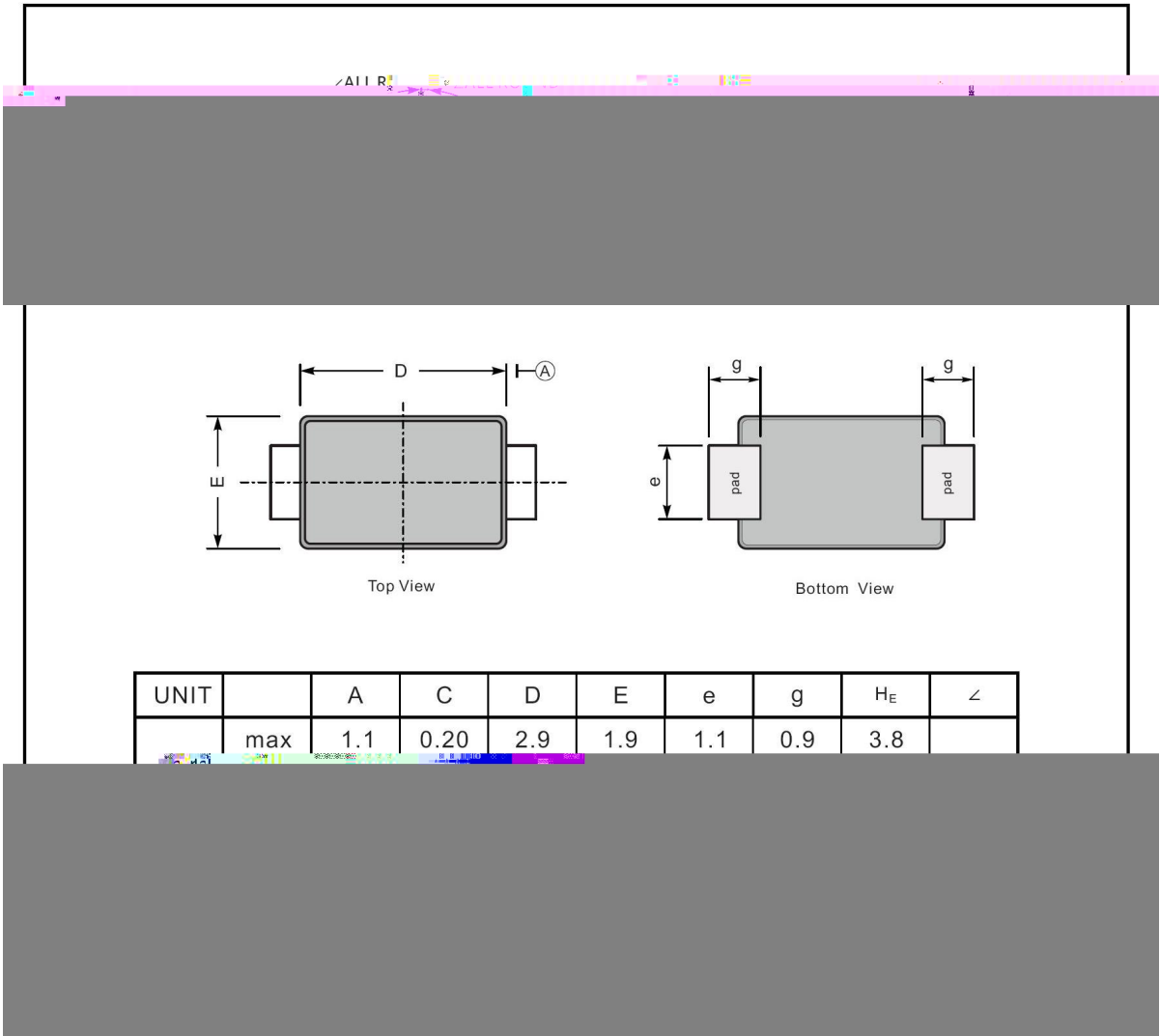


Fig.2 Typical Reverse Characteristics





SOD-123FL

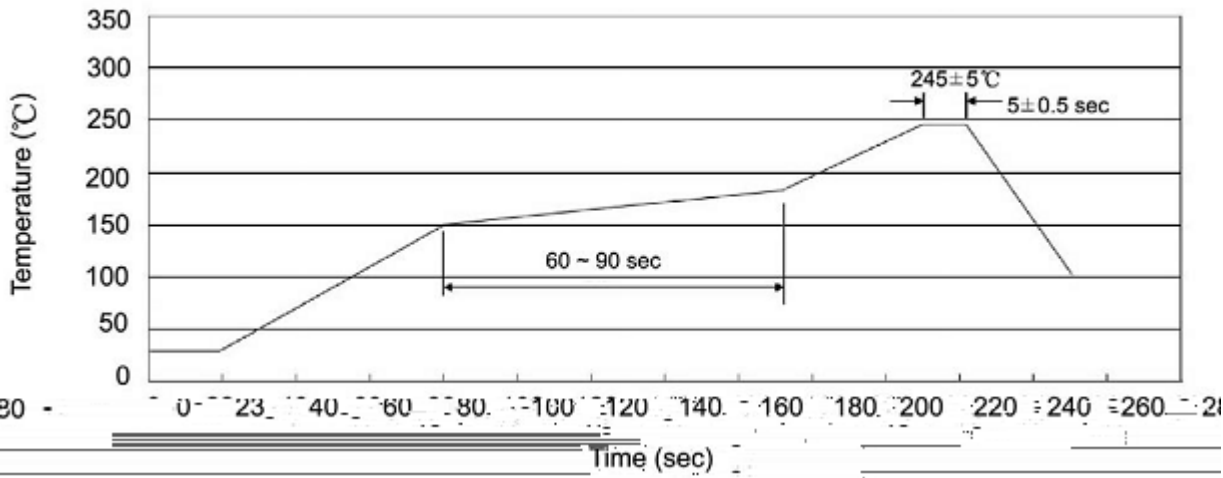




Note:

Product Type Code

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



Note:

- | | | | | | |
|---|-------|-----|-----------|---|--------------------------------------|
| 1 | 25 | 150 | 60 | 90sec; | 1.Preheating:25~150 , 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. |

260±5 10±1 sec. Temp.:260±5 Time:10±1 sec

/ REEL

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm ³)		
	Units/Reel 只/卷盘	Reels/Inner Box 卷盘/盒	Units/Inner Box 只/盒	Inner Boxes/Outer Box 盒/箱	Units/Outer Box 只/箱	Reel	Inner Box 盒	Outer Box 箱
SOD-123FL	3000	8	24000	5	120000	7" ×11	185X180X105	390X385X205