

Rev.D May.-2017

50V~600V

2.0A

SOD-123FL

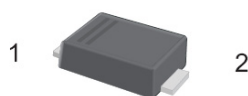
Surface Mount Superfast Recovery Rectifiers, Reverse Voltage 50 to 600V, Forward Current 2.0A, SOD-123FL thin package.

RoHS

2011/65/EU

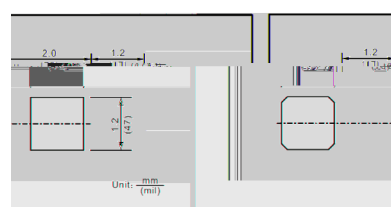
Superfast recovery times for high efficiency, Lead free in comply with EU RoHS 2011/65/EU directives, For surface mounted applications. Halogen free product.

General purpose.



PIN	DESCRIPTION
1	Cathode
2	Anode

The recommended mounting pad size



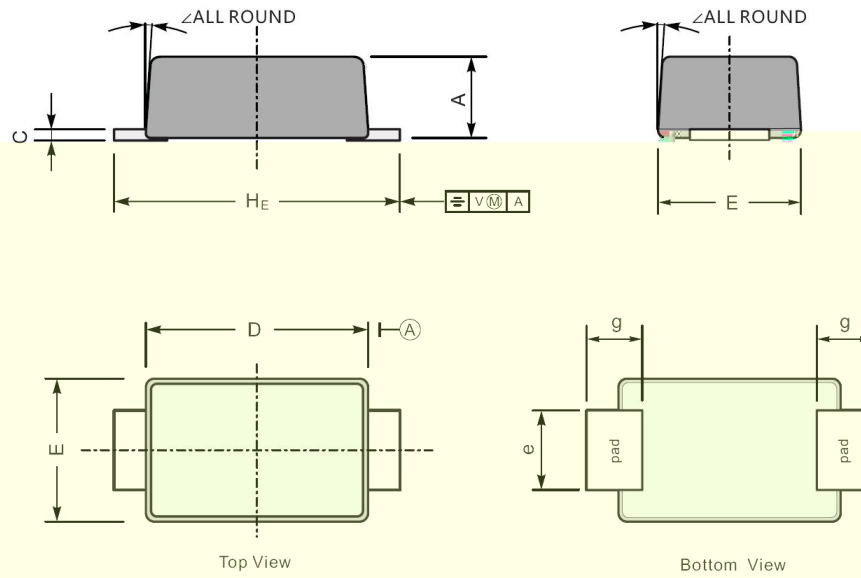
See Marking Instructions.

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Parameter	Symbol	Rating							Unit
		ES2AW	ES2BW	ES2CW	ES2DW	ES2EW	ES2GW	ES2JW	
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	50	100	150	200	300	400	600	V
Maximum RMS voltage	V_{RMS}	35	70	105	140	210	280	420	V
Maximum DC Blocking Voltage	V_{DC}	50	100	150	200	300	400	600	V
Maximum Average Forward Rectified Current at $T_L = 100$	$I_{F\ AV}$	2.0							A
Peak Forward Surge Current 8.3 ms Single Half Sine Wave Superimposed on Rated Load (JEDEC Method)	I_{FSM}	50							A

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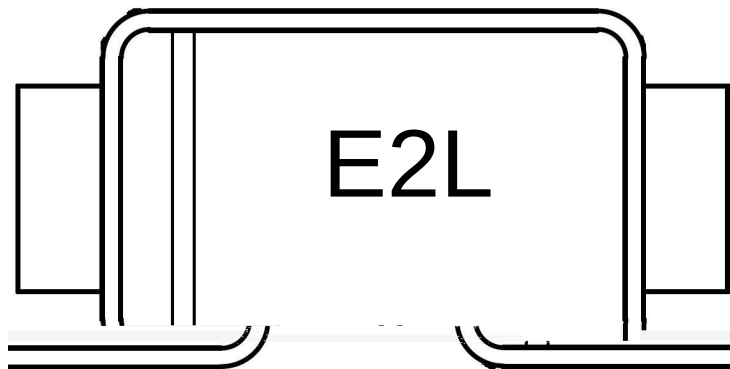
SOD-123FL



UNIT		A	C	D	E	e	g	H _E	∠
mm	max	1.1	0.20	2.9	1.9	1.1	0.9	3.8	7°
	min	0.9	0.12	2.6	1.7	0.8	0.7	3.5	
mil	max	43	7.9	114	75	43	35	150	
	min	35	4.7	102	67	31	28	138	

Marking

Type number	Marking code
ES2AW	E2L
ES2BW	
ES2CW	
ES2DW	
ES2EW	E2M
ES2GW	
ES2JW	E2H



E2L

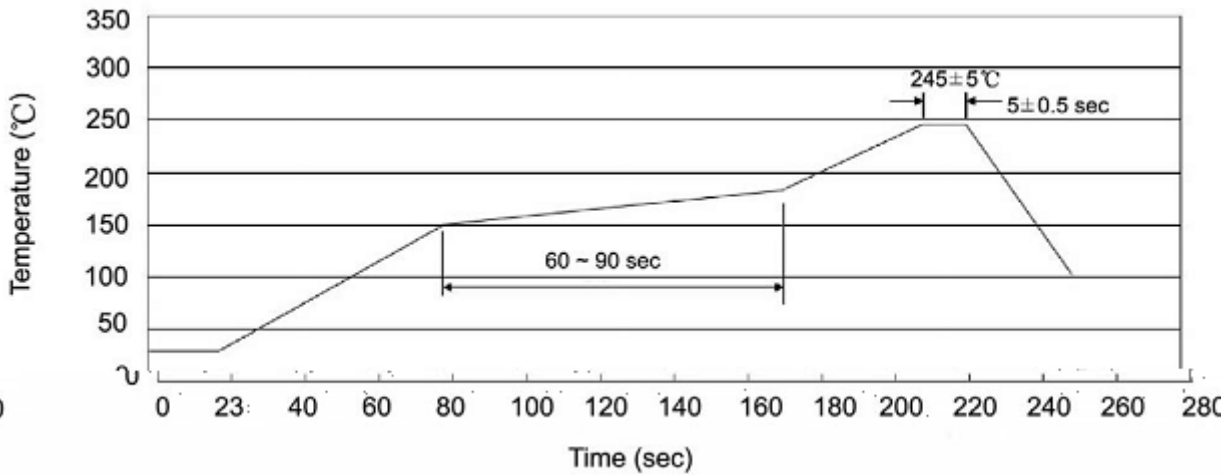
1

3

Note:

E2L Product Type Code

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



- Note:
1. Preheating: 25~150 , Time: 60~90sec.
2. Peak Temp.: 245±5 , Duration: 5±0.5sec.
3. Cooling Speed: 2~10 /sec.
- 1 25 150 60 90sec;
2 245±5 5±0.5sec;
3 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)		
	只 卷盘	卷盘 盒	只 盒	盒 箱	只 箱		盒	箱
SOD-123FL	3000	8	24000	5	120000	7 ×11	185X180X105	390X385X205