

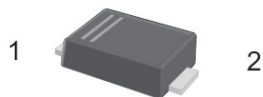
Rev.E Mar.-2019

SOD-123FL

Schottky Barrier Rectifiers,SOD-123FL thin package.

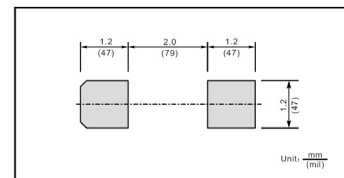
Low power loss, high efficiency.High current capability,low forward voltage drop,High surge capability,
For use in low voltage, high frequency inverters.Halogen free product.

General purpose.



PIN	DESCRIPTION
1	Cathode
2	Anode

The recommended mounting pad size

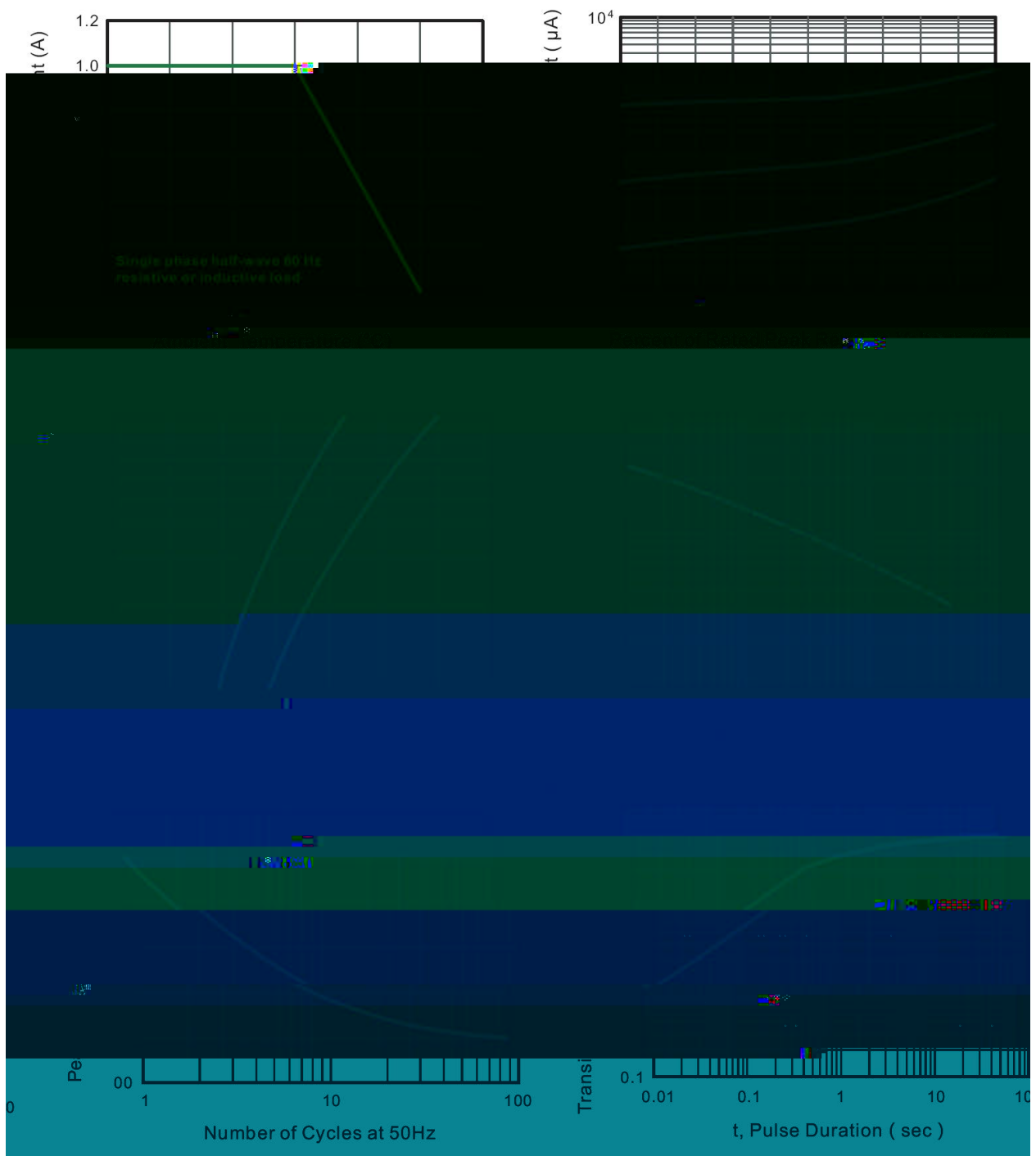


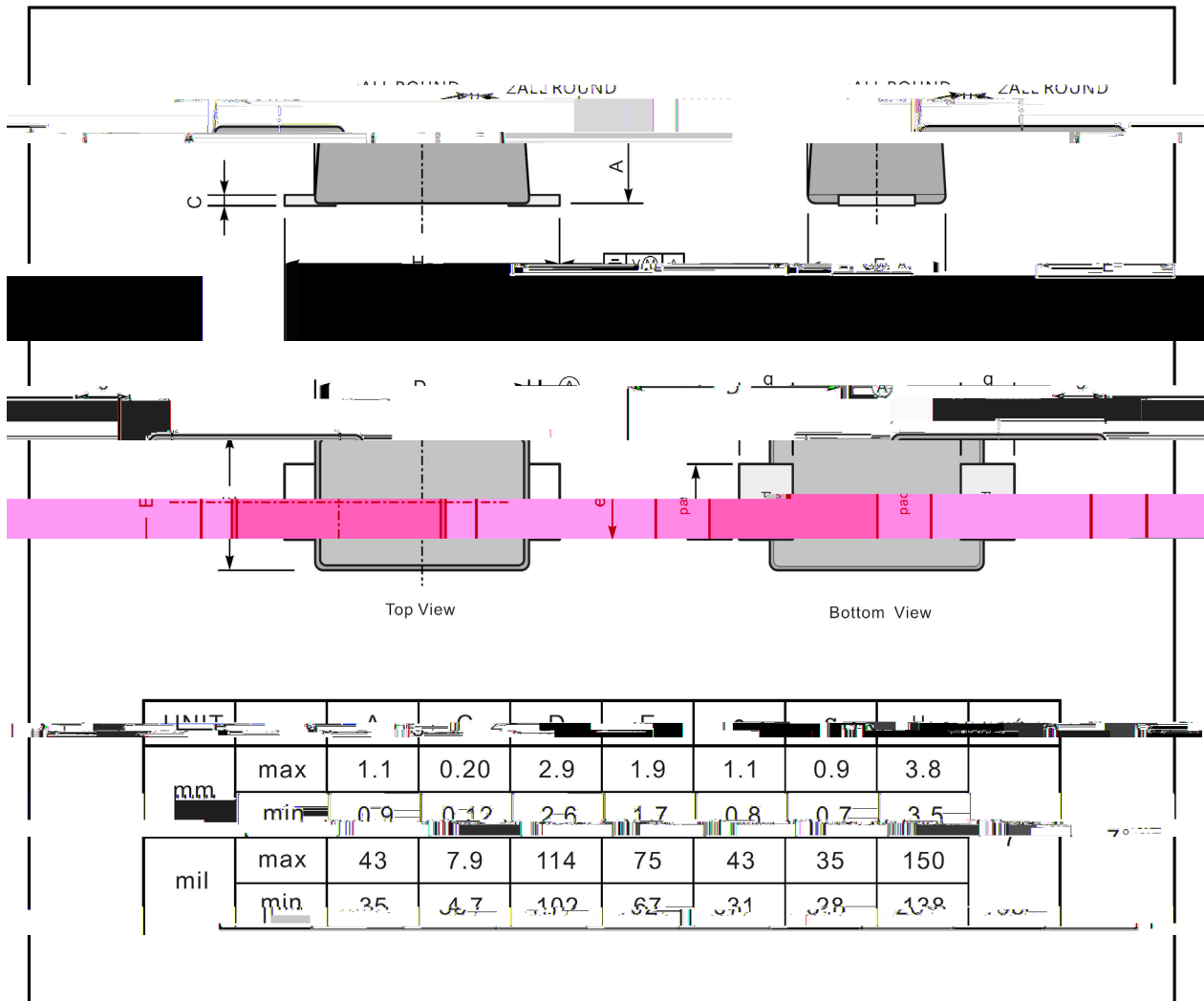
See Marking Instructions.

Parameter	Symbol	Rating			Unit
		1N5817W	1N5818W	1N5819W	
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	20	30	40	V
Maximum RMS voltage	V_{RMS}	14	21	28	V
Maximum DC Blocking Voltage	V_{DC}	20	30	40	V
Maximum Average Forward Rectified Current	$I_{F\ AV}$	1.0			A
Peak Forward Surge Current, 8.3ms Single Half Sine-wave Superimposed On Rated Load (JEDEC method)	I_{FSM}	25			A
Typical Junction Capacitance	C_i	110			pF
Storage and Operating Junction Temperature Range	T_j, T_{stg}	-55~+125			

Parameter	Symbol	Test Conditions	Rating			Unit
			1N5817W	1N5818W	1N5819W	
Maximum Instantaneous Forward Voltage	V_F	$I_F=1.0A$	0.45	0.55	0.60	V
		$I_F=3.1A$	0.75	0.875	0.9	
Maximum Instantaneous Reverse Current at Rated DC Reverse Voltage	I_R	$T_a=25$	1.0			mA
		$T_a=100$	10			mA

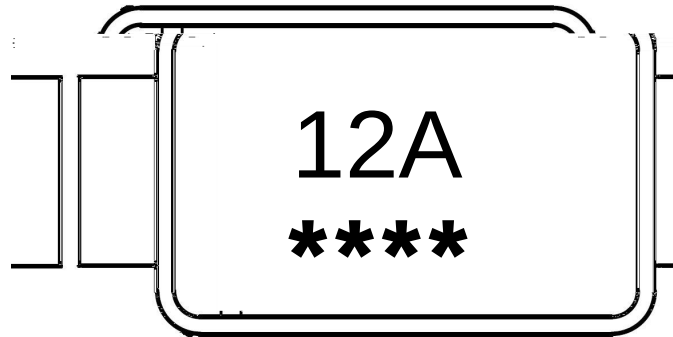
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SOD-123FL


Marking

Type number	Marking code
1N5817W	12A
13A	1N5818W
14A	1N5819W



12A

1 *

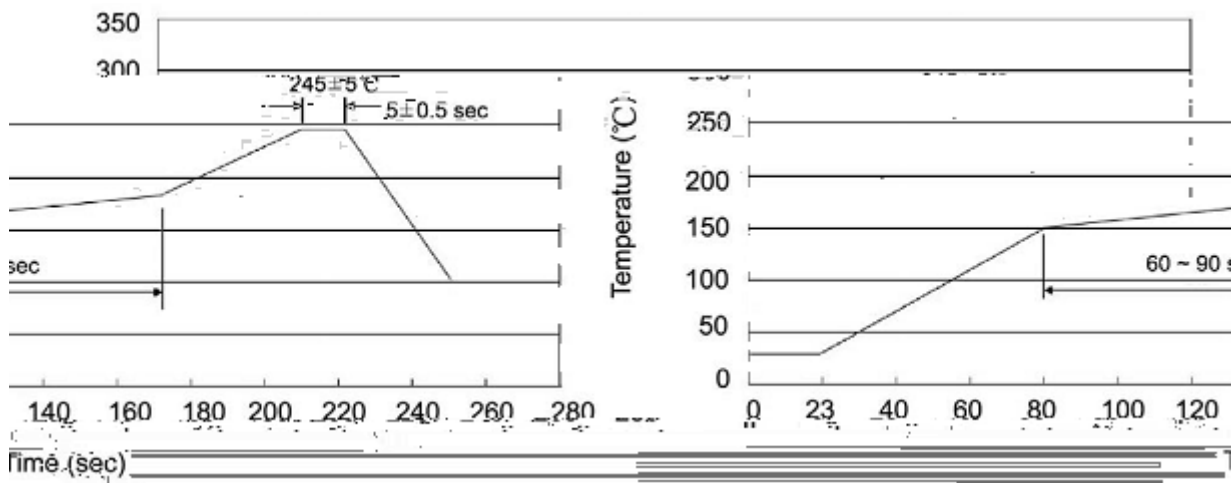
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Note:

12A Product Type Code

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

Temperature Profile for IR Reflow Soldering(Pb-Free)



Note:

- 1

25 150

60 90sec;
- 2

245±5

5±0.5sec;
- 3

2 10 /sec.
- 1.Preheating:25~150

, Time:60~90sec.
- 2.Peak Temp.:245±5

, Duration:5±0.5sec.
3. Cooling Speed: 2~10

/sec.

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

/ Packaging SPEC.

/ REEL

Package Type	Units					Dimension (unit mm ³)		
SOD-123FL	3000	8	24000	5	120000	7 ×11	185X180X105	390X385X205