

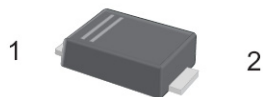
Rev.E Mar.-2019

SOD-123FL

Schottky Barrier Rectifiers, SOD-123FL thin package.

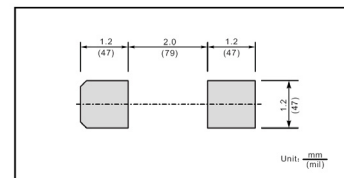
Low power loss, high efficiency. High current capability, low forward voltage drop, High surge capability, For use in low voltage, high frequency inverters. Halogen free product.

General purpose.



PIN	DESCRIPTION
1	Cathode
2	Anode

The recommended mounting pad size

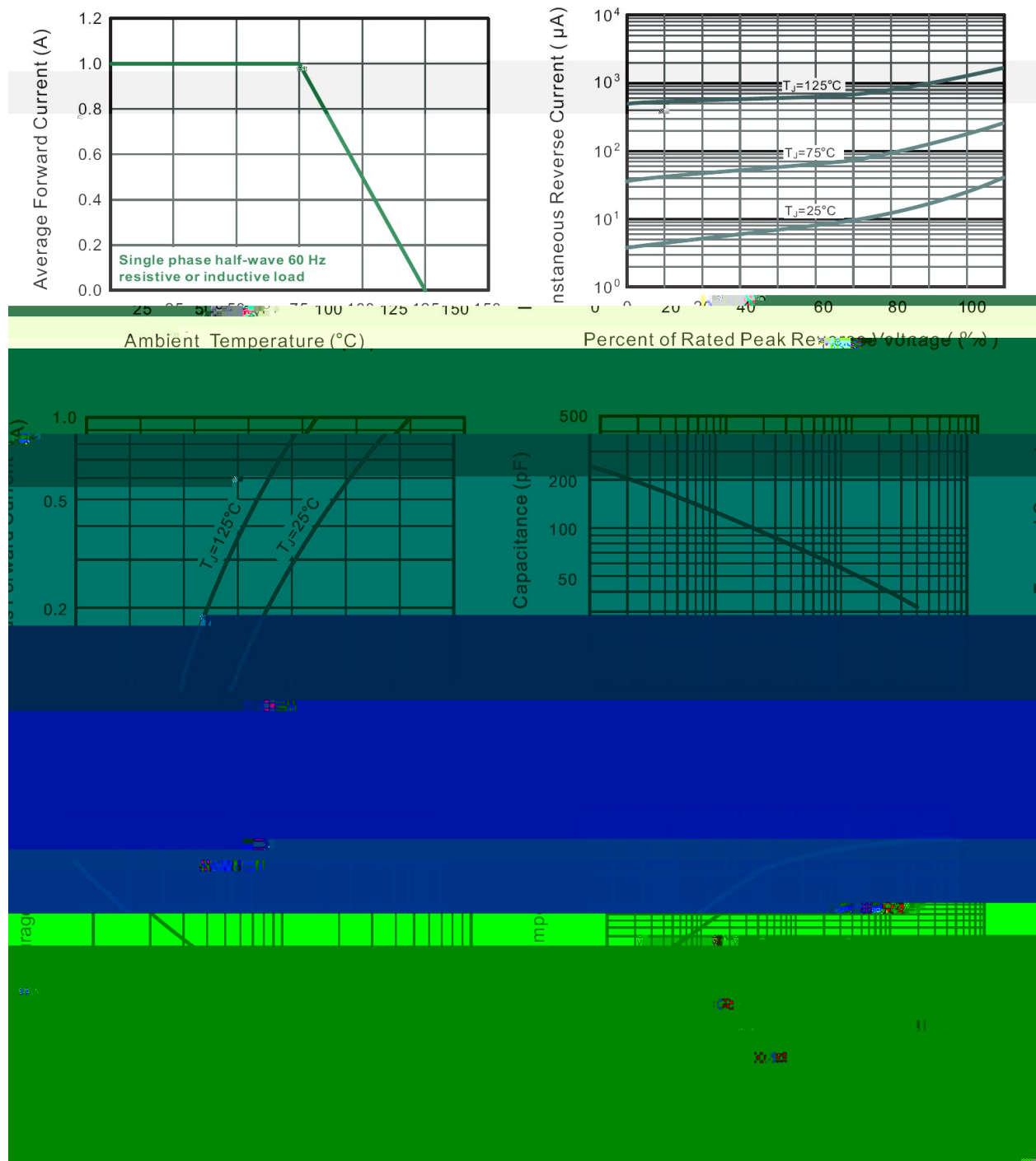


See Marking Instructions.

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			

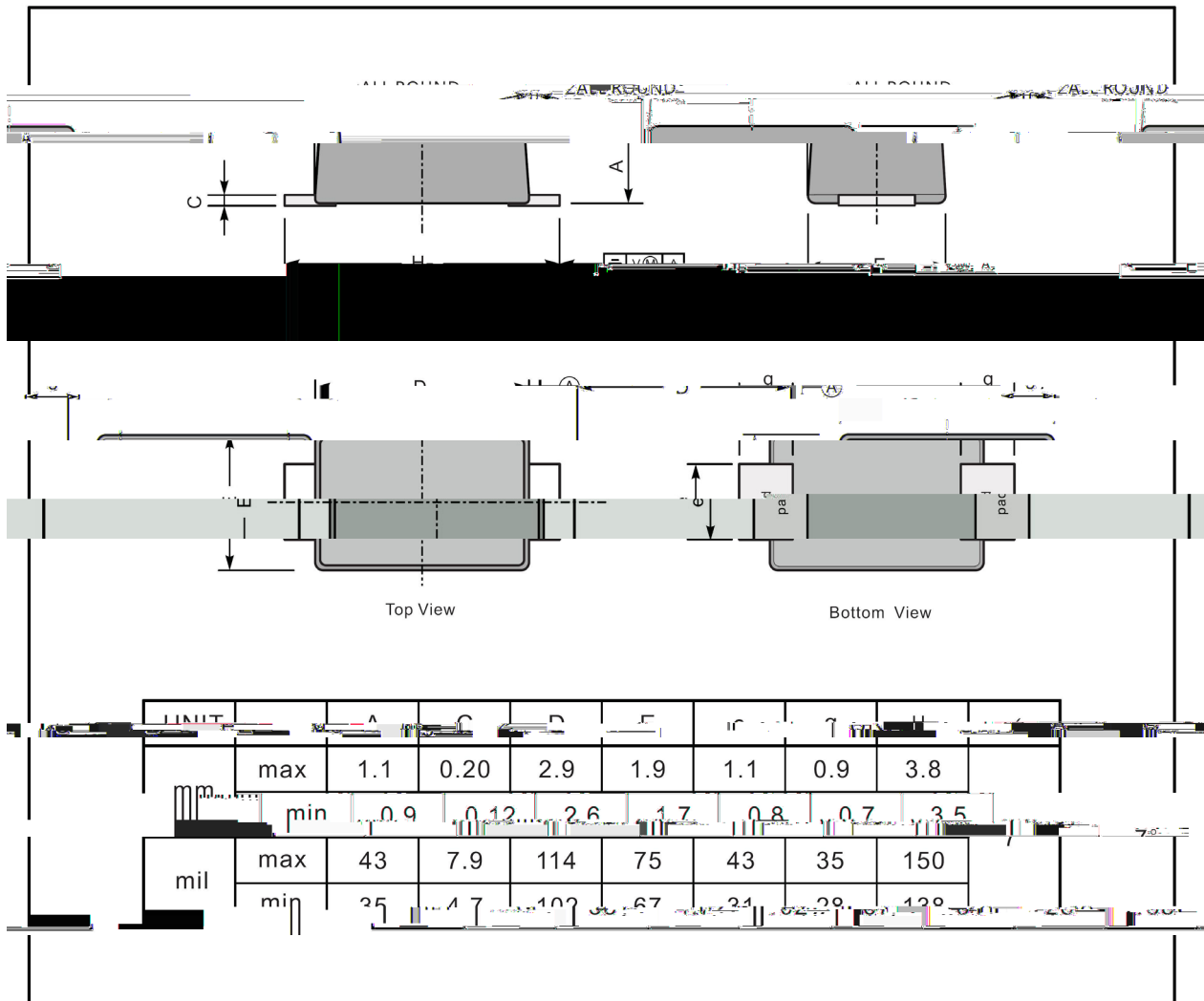
Parameter	Symbol	Test Conditions	Rating			Unit
			1N5817W	1N5818W	1N5819W	
Maximum Instantaneous Forward Voltage	V_F	$I_F=1.0A$	0.45	0.55	0.60	V
		$I_F=3.1A$	0.75	0.875	0.9	
Maximum Instantaneous Reverse Current at Rated DC Reverse Voltage	I_R	$T_a=25$	1.0			mA
		$T_a=100$	10			mA

Rev.E Mar.-2019



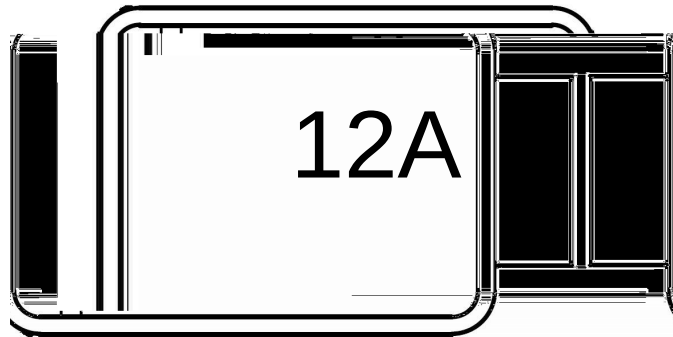
Rev.E Mar.-2019

SOD-123FL



Marking

Type number	Marking code
1N5817W	12A
5818W	13A
5819W	14A



12A

1

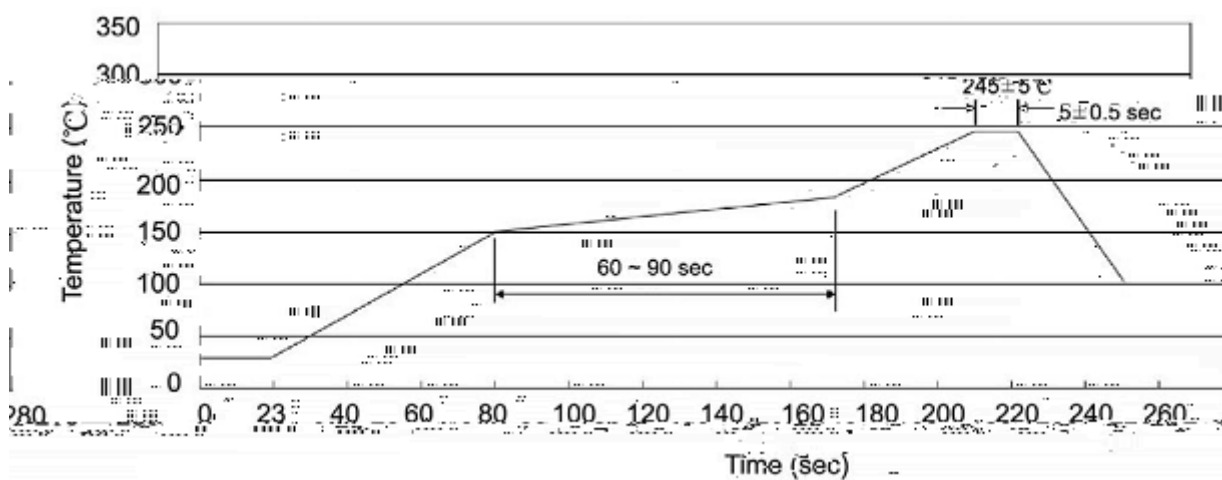
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Note:

12A Product Type Code

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

Rev.E Mar.-2019



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
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/ Packaging SPEC.

/ REEL

Package Type	Units					Dimension (unit mm ³)		
	Units/Reel /	Reels/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Reel	Inner Box	Outer Box
SOD-123FL	3000	8	24000	5	120000	7 ×11	185X180X105	390X385X205