

FR101W~FR107W

Rev.F Apr.-2024



DATA SHEET

50V ~ 1000V 1.0A SOD-123FL
Surface Mount Fast Recovery Rectifiers Reverse Voltage 50 to1000V,Forward Current 1.0A,
SOD-123FL thin package.

RoHS 2011/65/EU

Glass Passivated Chip Junction, Fast reverse recovery time, Lead free in comply with EU R HS
2011/65/EU directives, For surface mounted applications, HF Product.

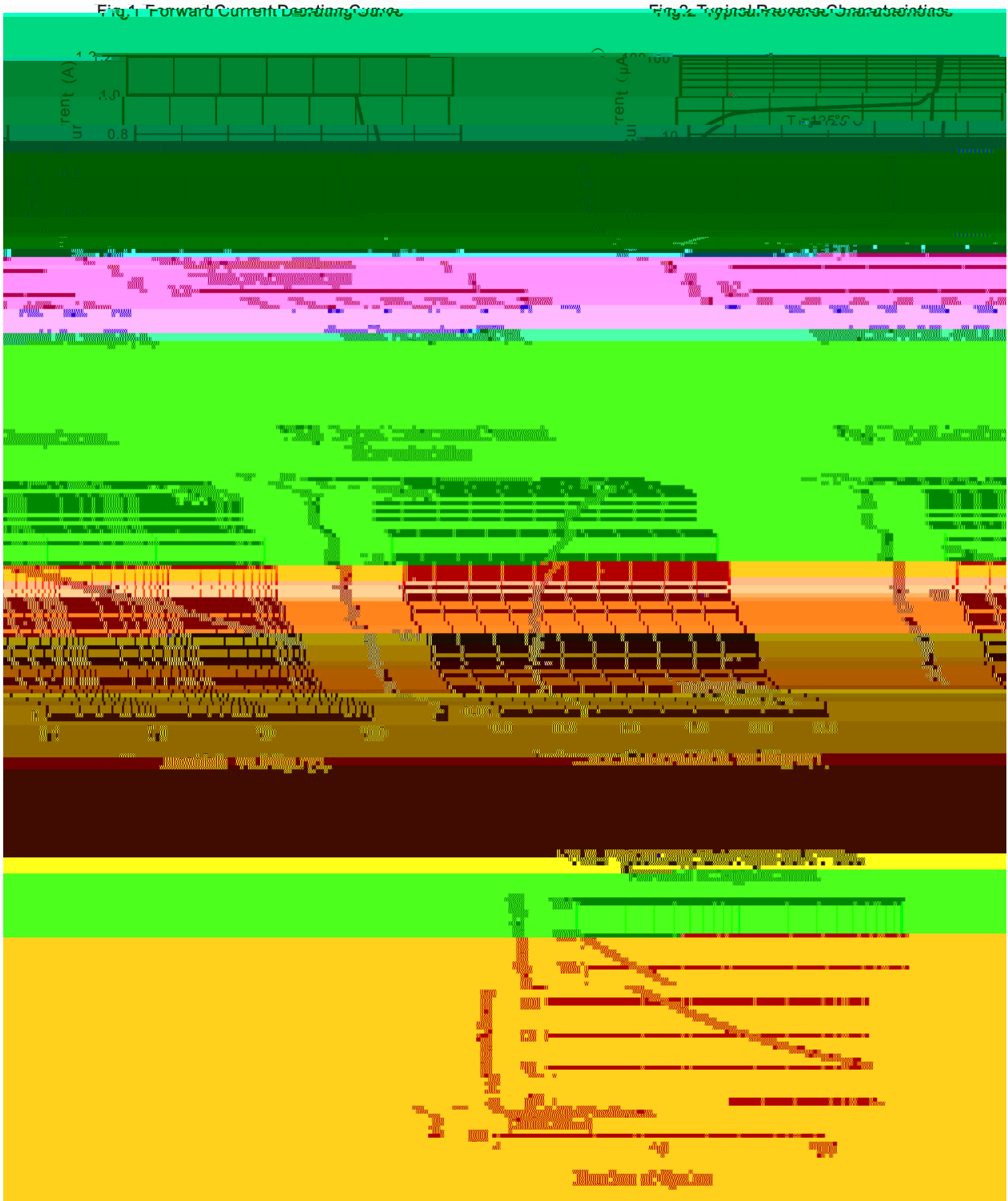
General purpose.



Type number	FR101W	FR102W	FR103W	FR104W	FR105W	FR106W	FR107W
Marking code			F2		F5		F7

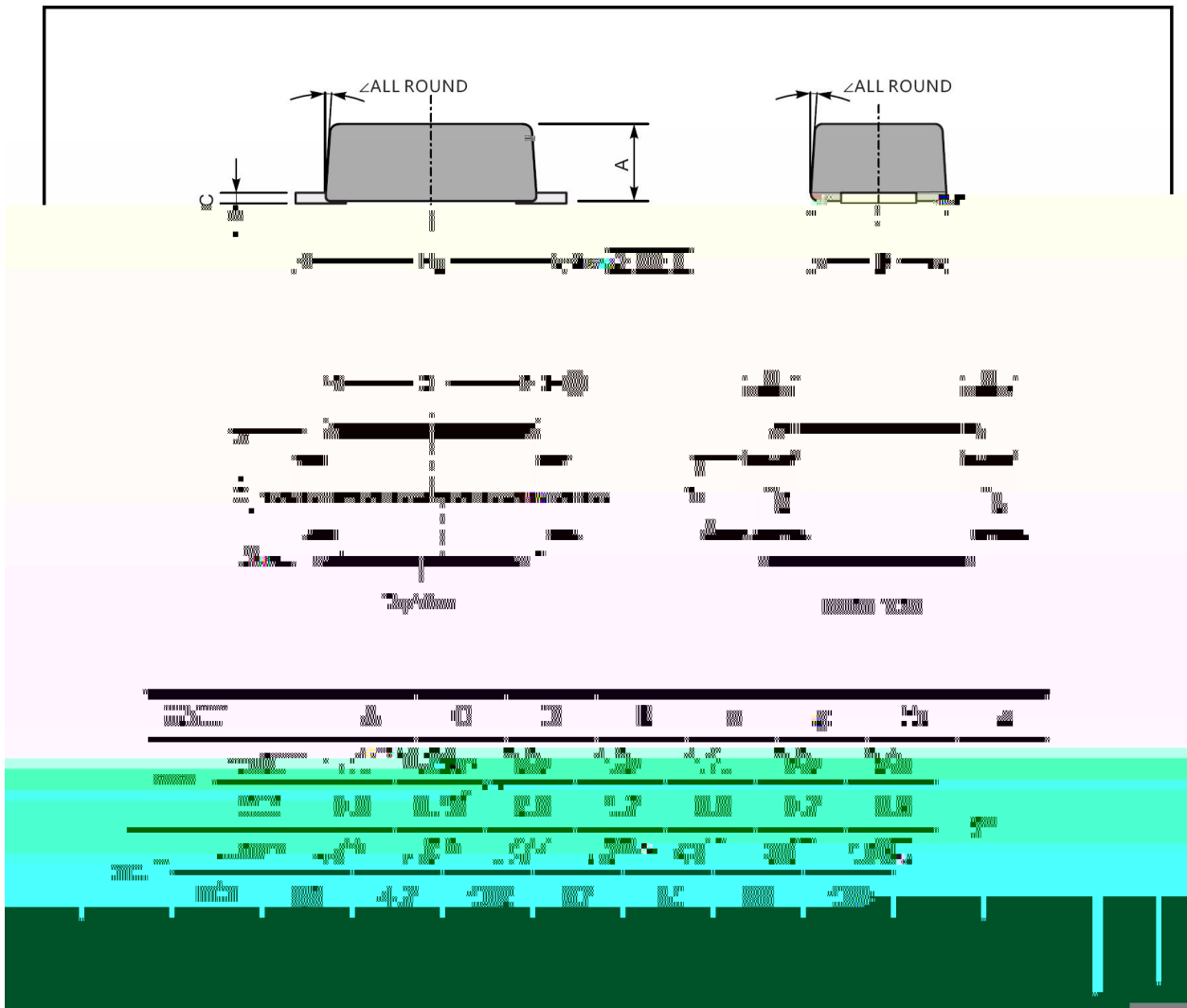
Parameter	Symbol	Rating	Unit
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/ Electrical Characteristic Curve

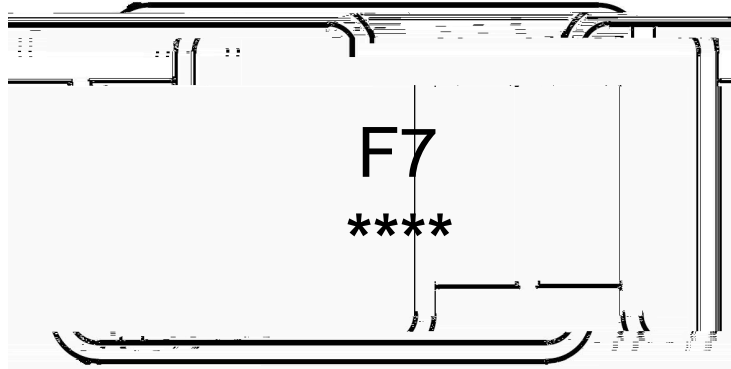


/ Package Dimensions

SOD-123FL



/ Marking Instructions



F7

Note:

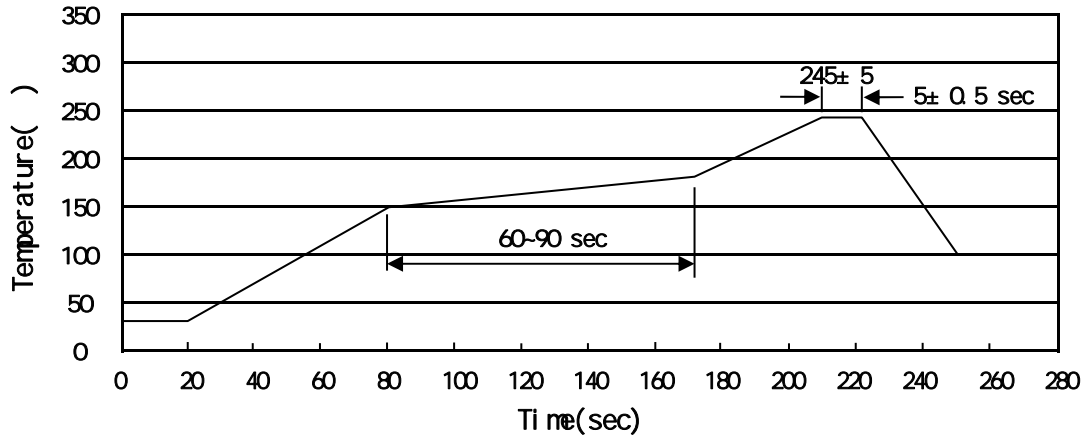
F7 Product Type Code

**** Lot No. Code, code change with Lot No

Marking

Type number	Marking code
FR101W	F2
FR102W	
FR103W	
FR104W	
FR105W	F5
FR106W	F7
FR107W	

() / Temperature Profile for IR Reflow Soldering(Pb-Free)



Note:

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

/ Resistance to Soldering Heat Test Conditions

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

/ 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	3,000	8	24,000	6	144,000	7 x8	185x180x105	390x385x205

/ Notices