

/ Revised record

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/ Descriptions

SOD-123FL

Surface Mount Schottky Barrier Rectifier, Reverse Voltage : 20 to 200 V, Forward Current : 3.0A, SOD-123FL thin package.

/ Features

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.

/ Applications

General purpose.

/ Equivalent Circuit



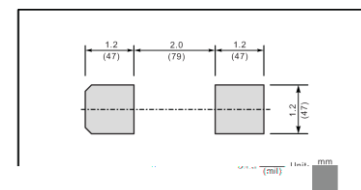
/ Pinning



2



The recommended mounting pad size



/ Marking

See Marking Instructions.

DS32W~DS320W

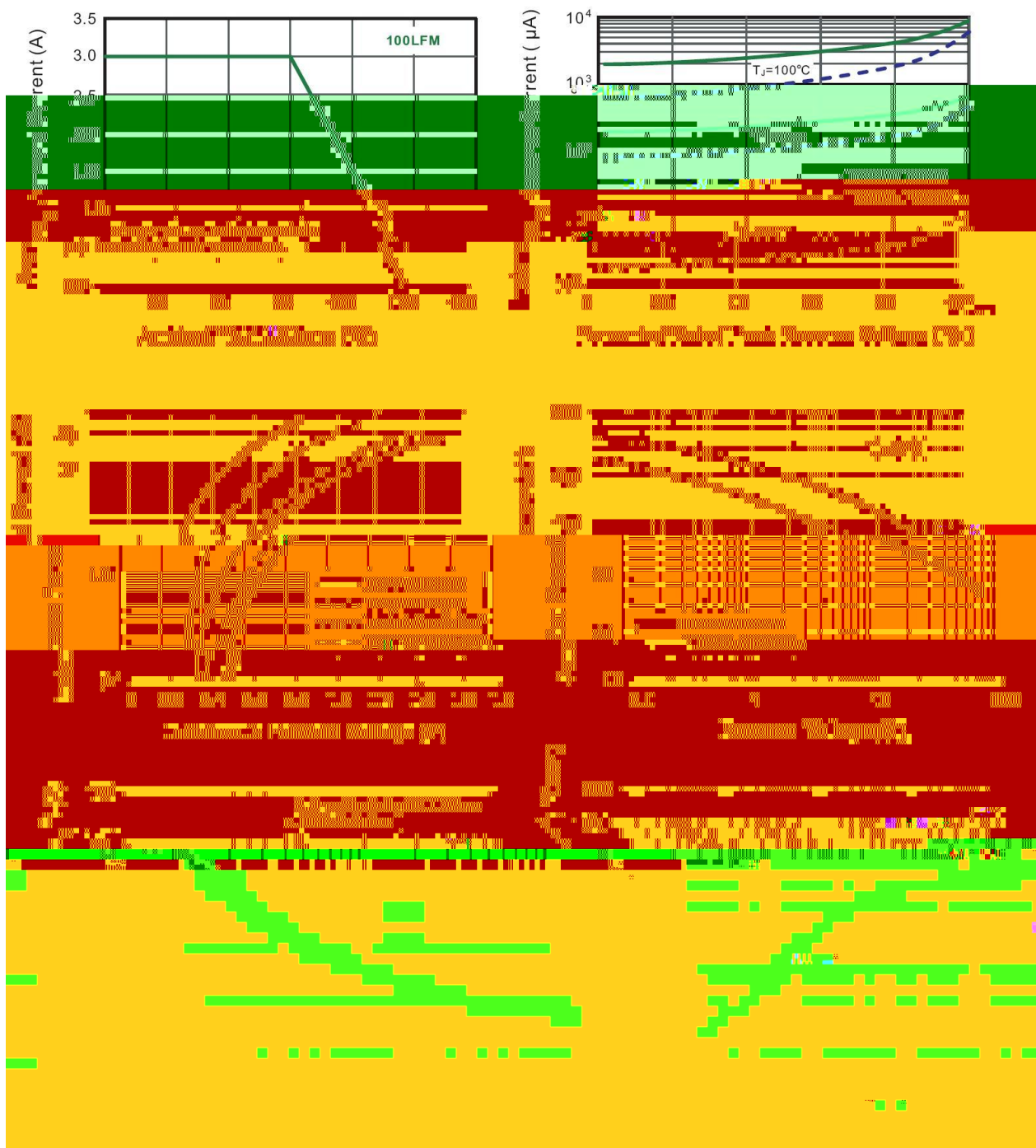
Rev.E May.-2022



DATA SHEET

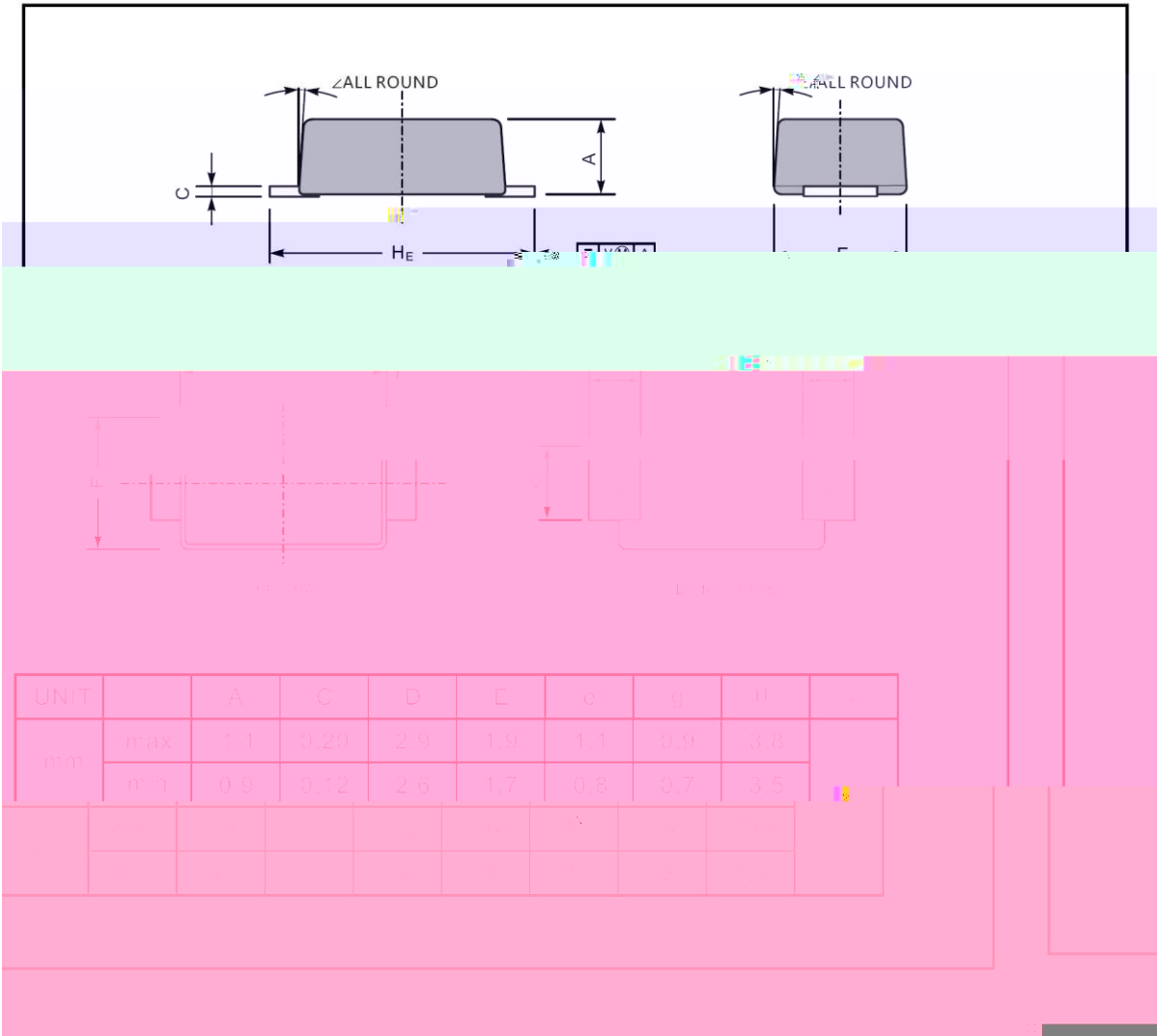
Parameter	Symbol	Rating								Unit
		DS32W	DS34W	DS36W	DS38W	DS310W	DS312W	DS315W	DS320W	
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	20	40	60	80	100	120	150	200	V
Maximum RMS Voltage Maximum DC Blocking Voltage	V_{RMS}	14	28	42	56	70	84	105	140	V

/ Electrical Characteristic Curve



/ Package Dimensions

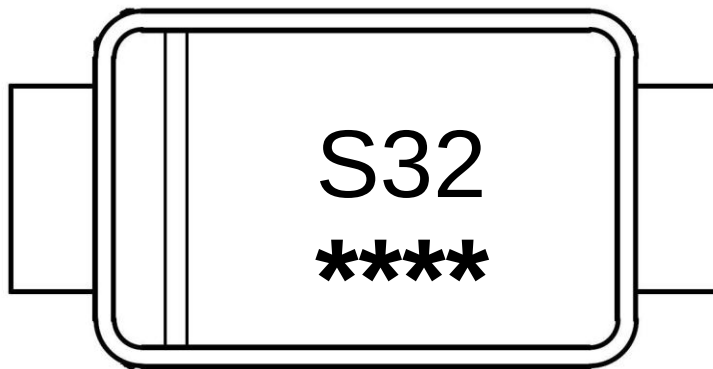
SOD-123FL



/ Marking Instructions**Marking**

Type number	Marking code
DS32W	S32
DS34W	S34
DS36W	S36
DS38W	S38
DS310W	S310
DS312W	S312
DS315W	S315
DS320W	S320

/ Marking Instructions

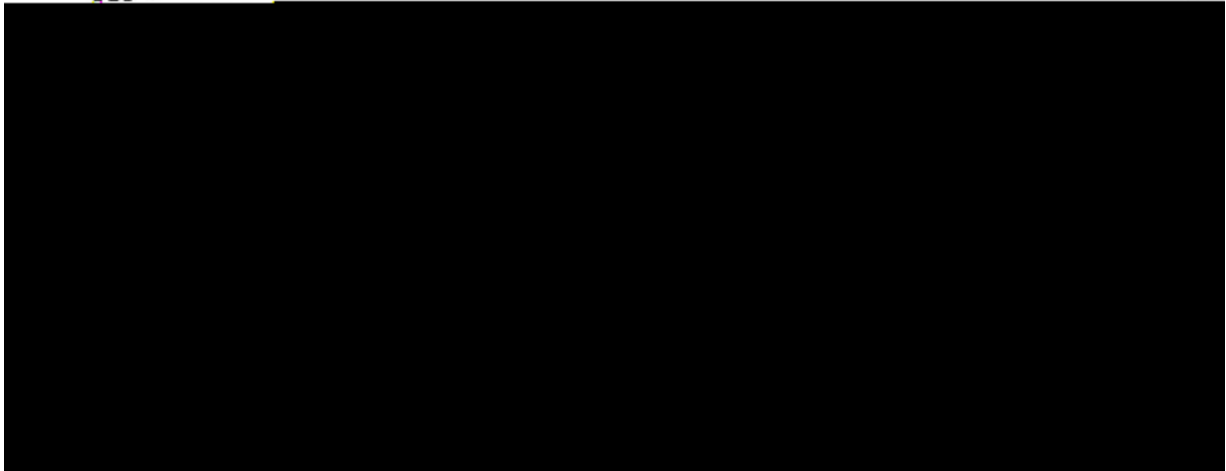


Note:

Product Type Code

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

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Note:

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|---|-----|-----|----|---------|---|
| 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. |

/ Resistance to Soldering Heat Test Conditions

260	5	10	1 sec.	Temp.:260 5	Time:10 1 sec
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/ Packaging SPEC.

/ 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	6	144000	7" ×8	185X180X105	390X385X205

/ Notices