



**/ 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**

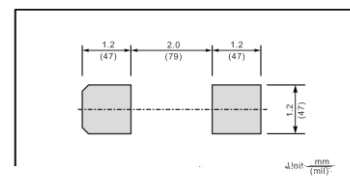


**/ Pinning**



DESCRIPTION	PIN	DE
	1	Cathode
	2	Anode

The recommended mounting pad size



**/ Marking**

See Marking Instructions.

# DS32W~DS320W

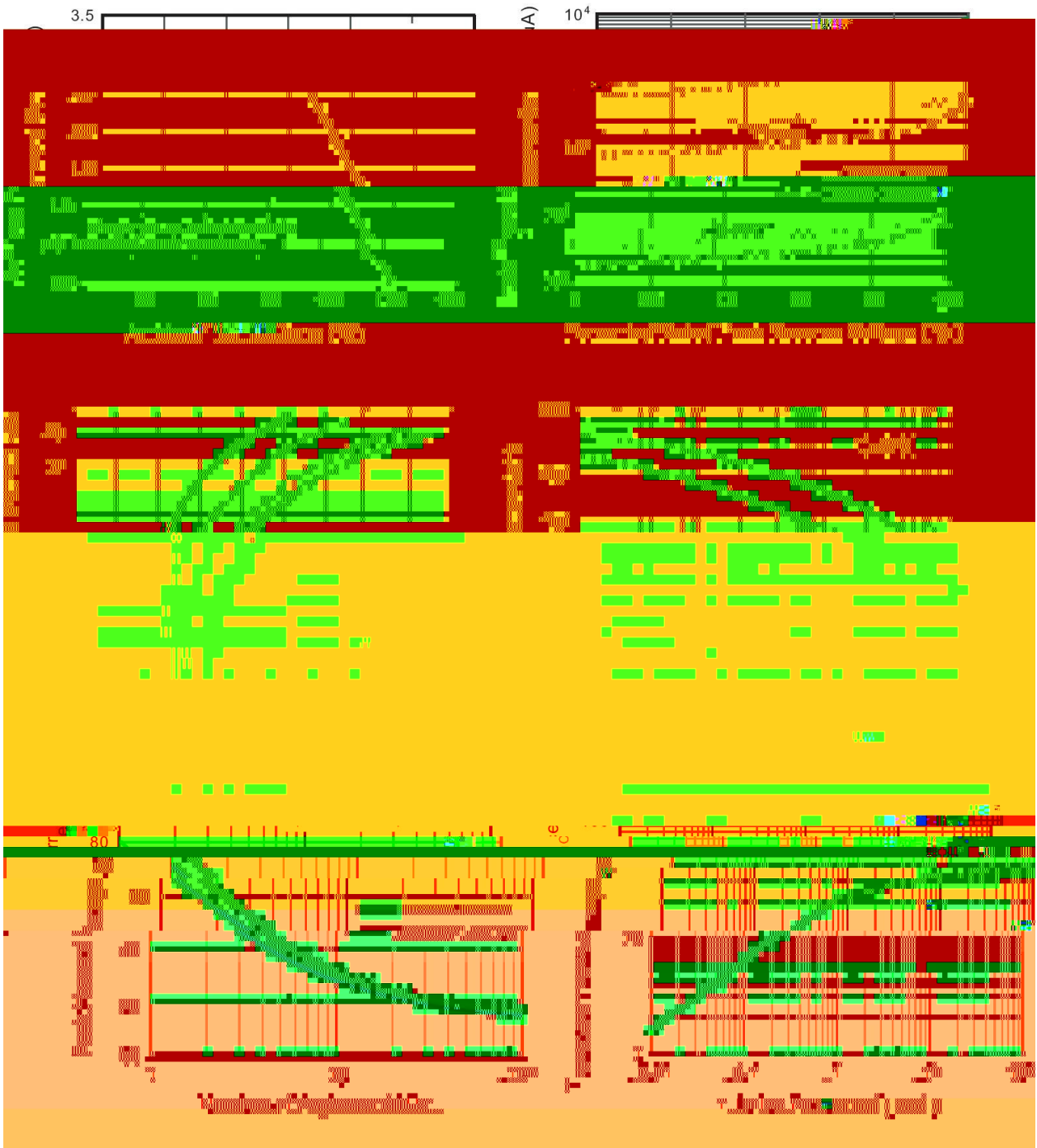
Rev.E May.-2022



DATA SHEET

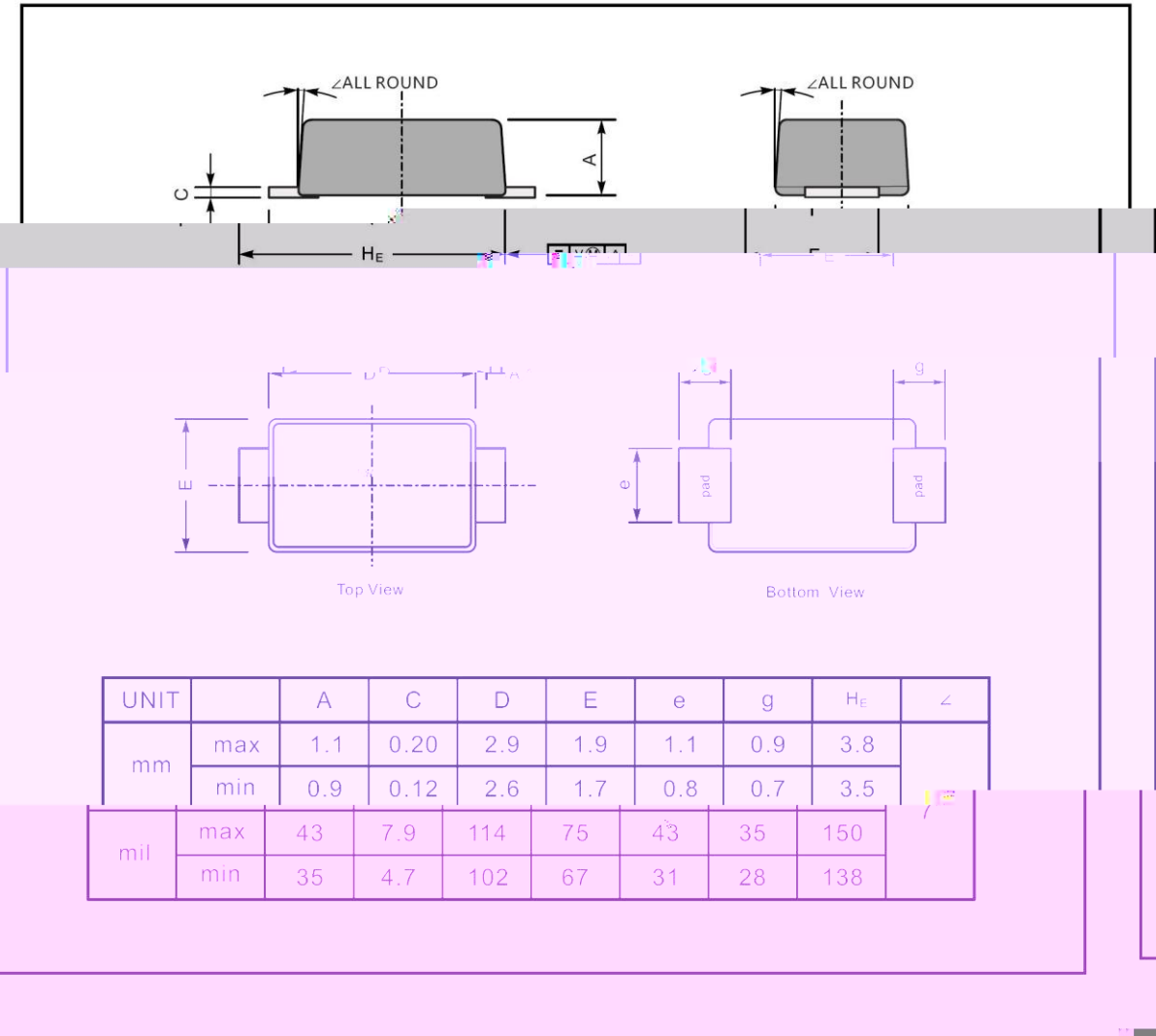
Parameter	Symbol	Rating								Unit
		DS32W	DS34W	DS36W	DS38W	DS310W	DS312W	DS315W	DS320W	
Maximum Recurrent Peak Reverse Voltage	$V_{RRM}$	20	40	60	80	100	120	150	200	V
Maximum RMS Voltage Maximum DC Blocking Voltage	$V_{RMS}$	14	28	42	56	70	84	105	140	V

/ Electrical Characteristic Curve



/ Package Dimensions

SOD-123FL

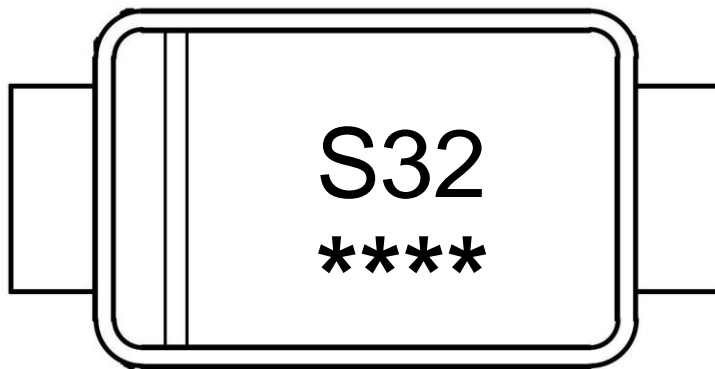


**/ Marking Instructions**

## Marking

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

/ Marking Instructions



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Note:

Product Type Code

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

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- |   |     |     |    |          |       |   |
|---|-----|-----|----|----------|-------|---|
| 1 | 25  | 150 | 60 | 90sec;   | Note: | 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

/ Packaging SPEC.

/ REEL

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm <sup>3</sup> )		
	只卷盘	卷盘盒	只盒	盒箱	只箱		盒	箱
SOD-123FL	3000	8	24000	6	144000	7" x8	185X180X105	390X385X205

/ Notices