

BR1N4007WQ

Rev.A Sep.-2024



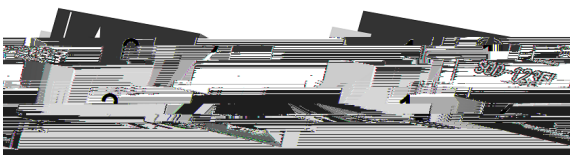
DATA SHEET

1000V 1A SOD-123FL
Surface Mount General Purpose Silicon Rectifiers Reverse Voltage 1000V Forward Current 1A
SOD-123FL thin package.

, RoHS 2011/65/EU AEC-Q101

Glass Passivated Chip Junction Ideal for automated placement Lead free in comply with EU RoHS 2011/65/EU directives For surface mounted applications, Qualified to AEC-Q101 Standards for High Reliability, HF Product.

General purpose, Meet the stringent requirements of automotive applications.



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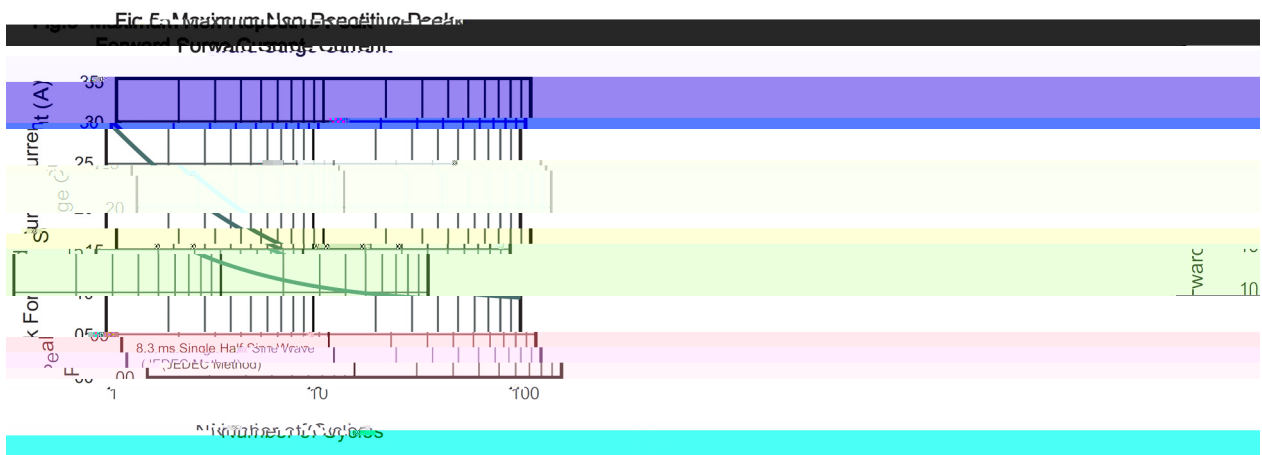
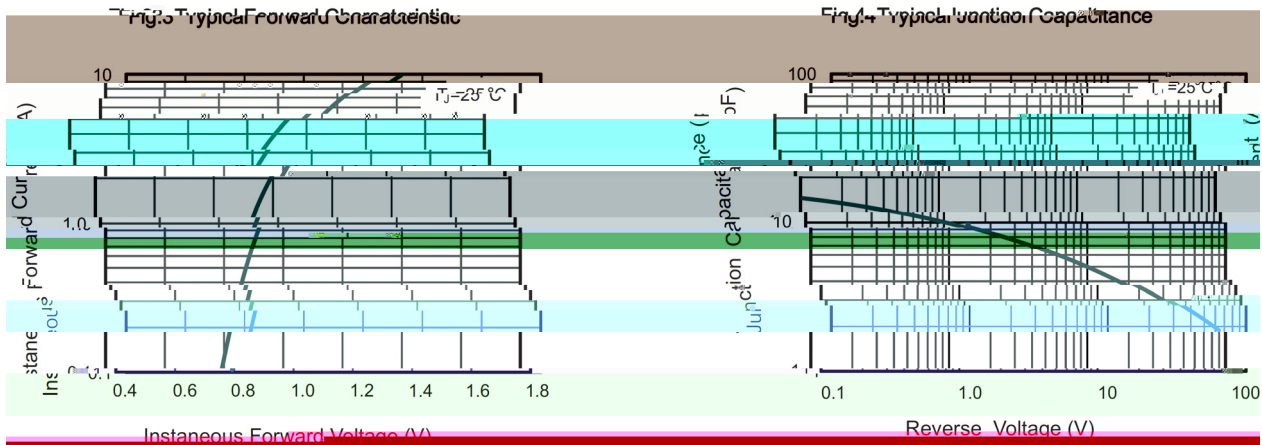
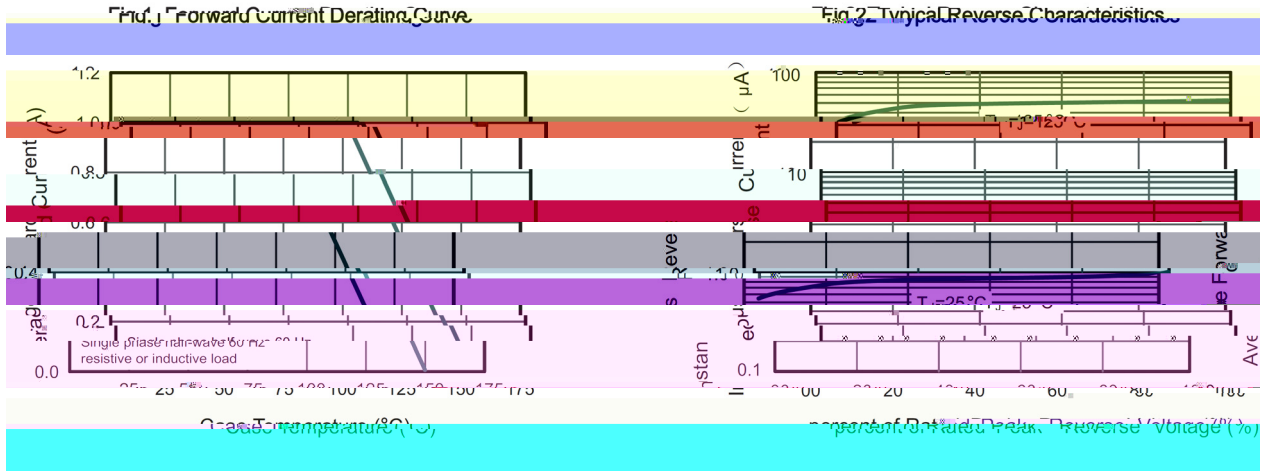
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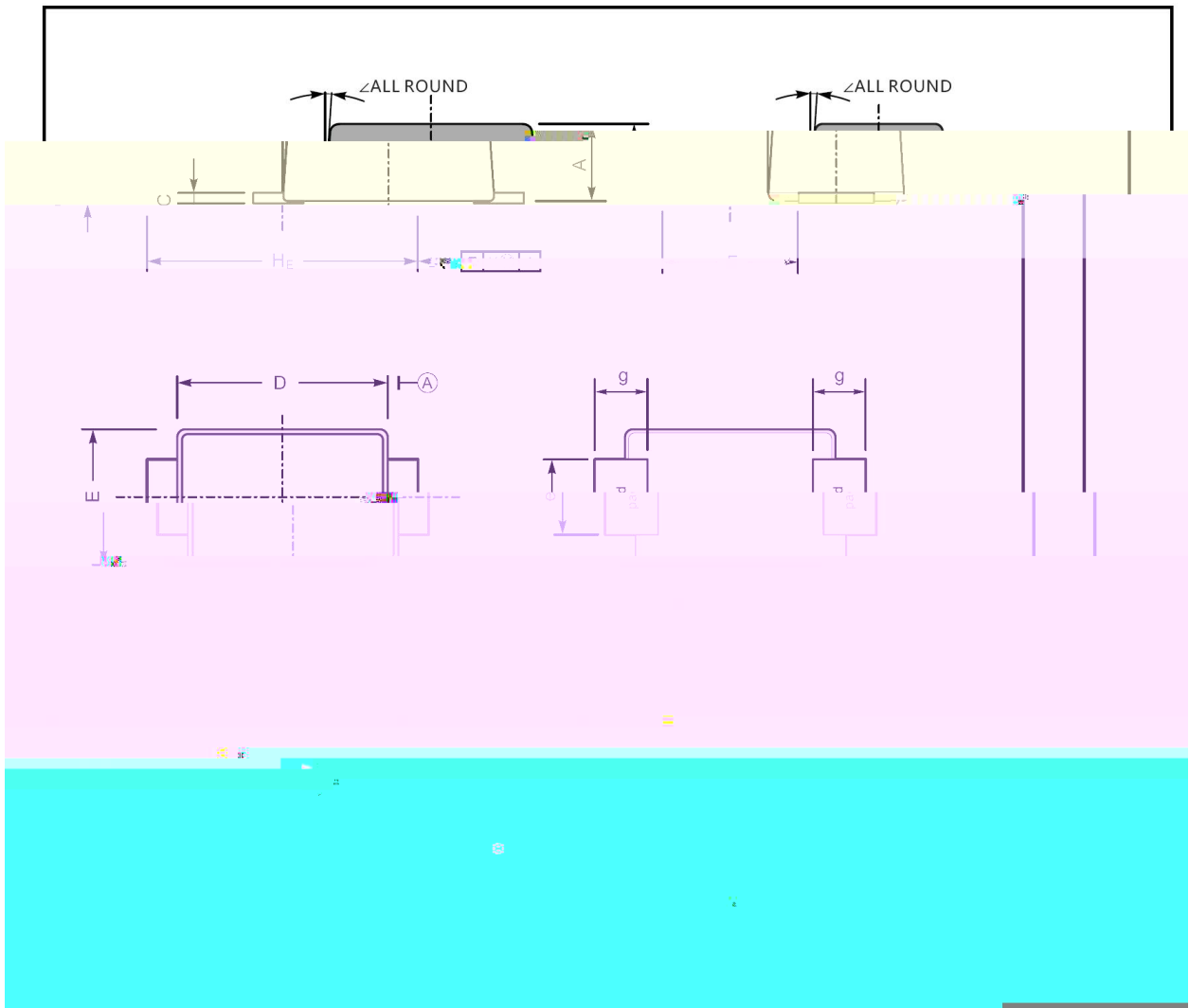
| Parameter | Symbol | Rating | Unit |
|-------------------------|-----------|------------|------|
| | | BR1N4007WQ | |
| Maximum Reverse Voltage | V_{RRM} | | |

/ Electrical Characteristic Curve

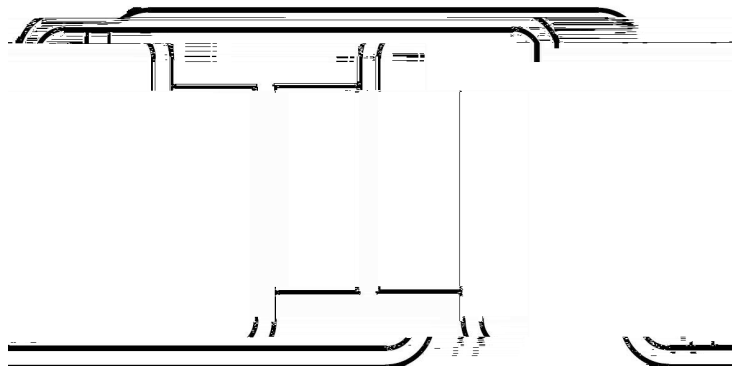


/ Package Dimensions

SOD-123FL



/ Marking Instructions



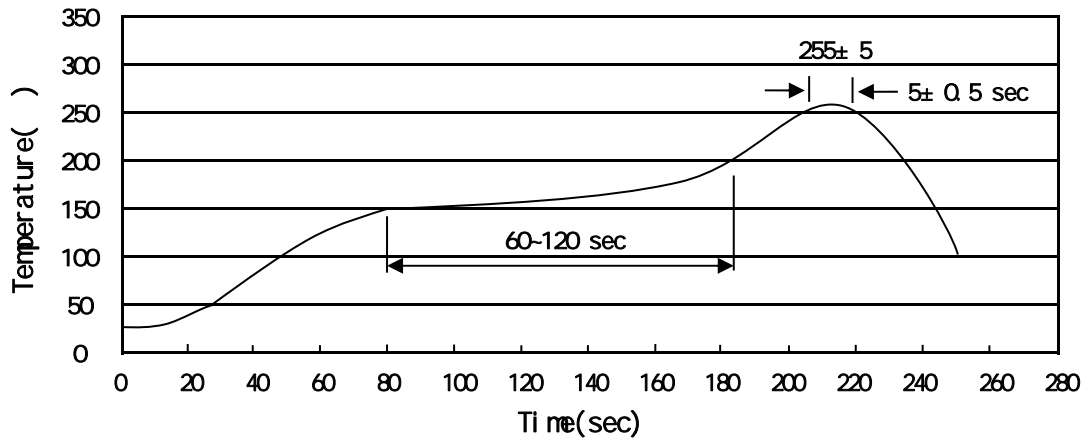
S1M

Note:

S1M Product Type Code

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

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



Note:

- 1 150 200 60 120sec; 1.Preheating:150~200 , Time:60~120sec.
- 2 255±5 5±0.5sec; 2.Peak Temp.:255±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) | | |
|--------------|-------|---|--------|---|---------|-----------------------------------|-------------|-------------|
| | | | | | | | | |
| SOD-123FL | 3,000 | 8 | 24,000 | 6 | 144,000 | 7 x8 | 185x180x105 | 390x385x205 |

/ Notices