



SS1060HEWS

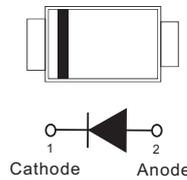
SCHOTTKY BARRIER DIODE

FEATURES

- SOD-323HE low profile package
- Low forward voltage drop, low reverse current
- High Efficiency
- In compliance with EU RoHS 2002/95/EC directives and with Halogen Free

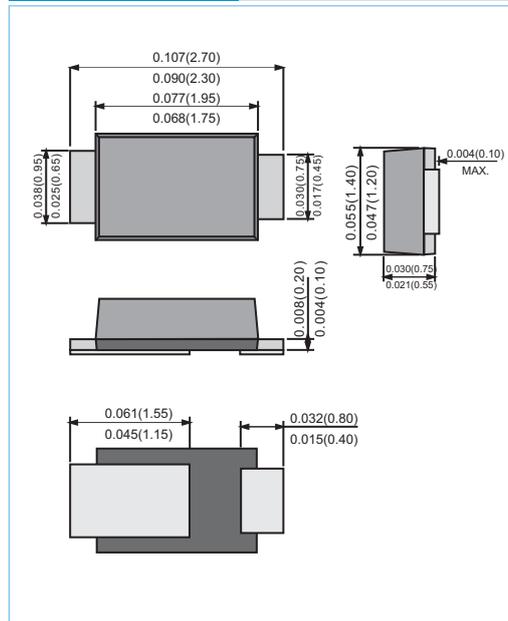
APPLICATIONS

- Low voltage high frequency inverters
- DC/DC converters
- Polarity protection
- Freewheeling
- Marking : EW



SOD-323HE

Unit: inch (mm)



ABSOLUTE MAXIMUM RATINGS (TA=25°C)

| PARAMETER | SYMBOL | LIMITS | UNIT |
|--|------------------|-------------|------|
| Maximum Repetitive Peak Reverse Voltage | V _{RRM} | 60 | V |
| Maximum Average Rectified Forward Current | I _O | 1.0 | A |
| Peak Forward Surge Current (Half Sine Wave , 1 cycle , non-repetitive) | I _{FSM} | 22 | A |
| Operating Junction Temperature Range | T _J | -40 to +150 | °C |
| Storage Temperature Range | T _{STG} | -40 to +150 | °C |

ELECTRICAL CHARACTERISTICS (TA=25°C)

| PARAMETER | SYMBOL | TEST CONDITIONS | MIN. | TYP. | MAX. | UNITS |
|---------------------------|------------------|----------------------|------|------|------|-------|
| Forward Voltage | V _{F1} | I _F =0.1A | - | 0.38 | 0.43 | V |
| | V _{F2} | I _F =0.7A | - | 0.55 | 0.58 | V |
| | V _{F3} | I _F =1.0A | - | 0.63 | 0.68 | V |
| Reverse Current | I _{R1} | V _R =5V | - | 0.3 | - | μA |
| | I _{R2} | V _R =60V | - | 3 | 100 | μA |
| Thermal Resistance (Note) | R _{θJA} | Junction to Ambient | - | - | 220 | °C/W |
| | R _{θJL} | Junction to Lead | - | - | 50 | °C/W |

Note : Mounted on P.C Board with (15mmx50mm) copper pad areas.

This data sheet contains data from the objective specification for new product development, assuming the target product has already initiated the development process. PANJIT reserves the right to change the specification in any manner without notice. Draft data sheet cannot be released without expressed authorization from the RD group associated, PMAE and HQA members. NO EXCEPTIONS. Draft data sheet will be provided to customer within 4 working days after the request is placed and reviewed.



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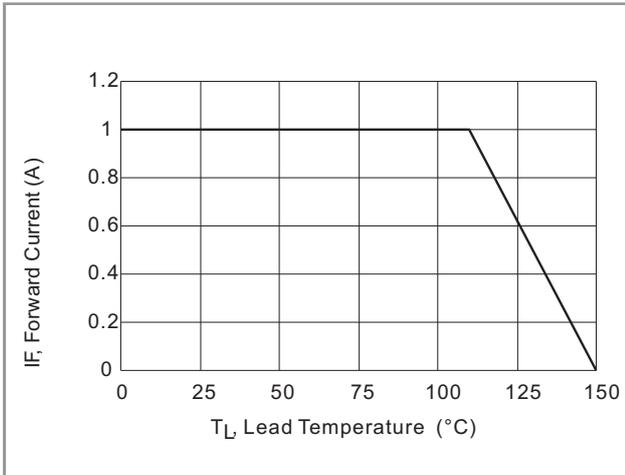


Fig.1 Forward Current Derating Curve

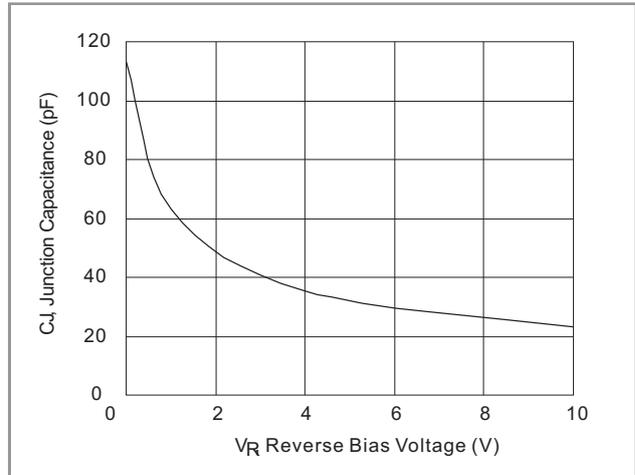


Fig.2 Typical Junction Capacitance

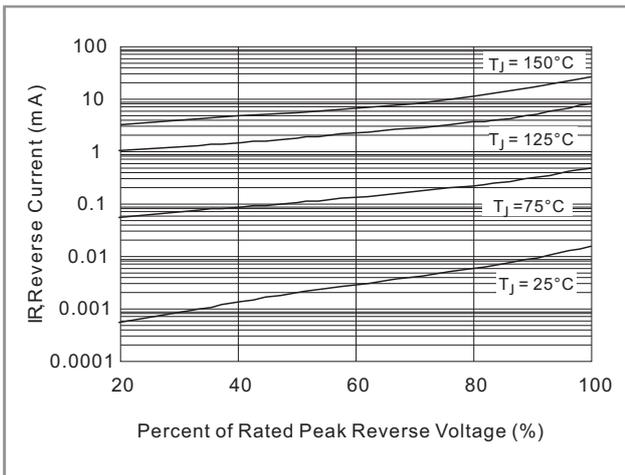


Fig.3 Typical Reverse Characteristics

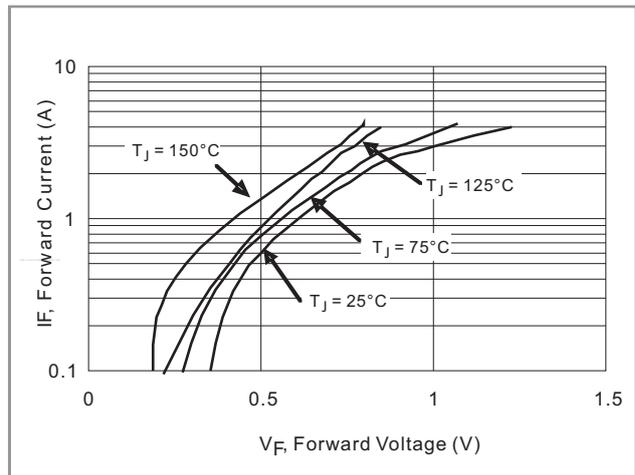
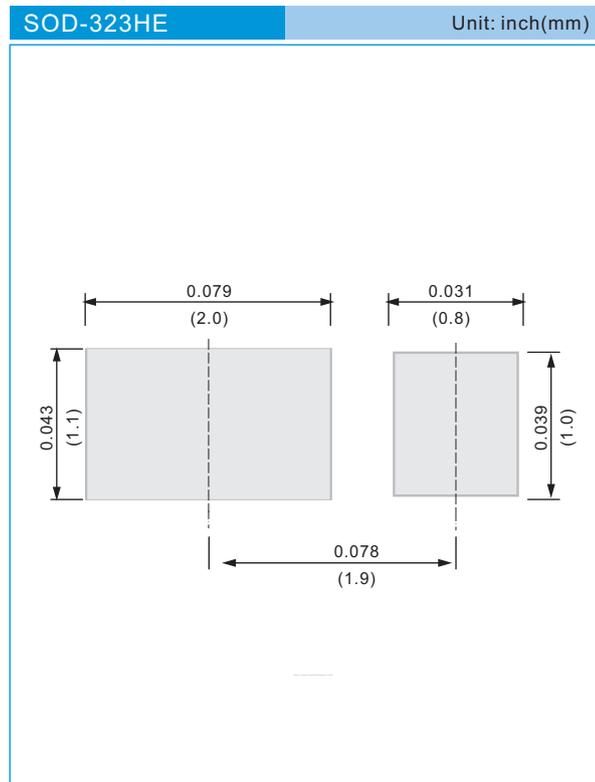


Fig.4 Typical Forward Characteristics



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MOUNTING PAD LAYOUT



ORDER INFORMATION

- Packing information
T/R - 12K per 13" plastic Reel
T/R - 5K per 7" plastic Reel

LEGAL STATEMENT

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