TECHNICAL DATA DATA SHEET 4573, REV. A

HERMETIC POWER SCHOTTKY RECTIFIER

Low Forward Voltage Drop

Add Suffix "S" to Part Number for S-100 Screening.

Applications:

• Switching Power Supply • Converters • Free-Wheeling Diodes • Polarity Protection Diode

Features:

- Ultra low Reverse Leakage Current
- Soft Reverse Recovery at Low and High Temperature
- High Surge Capacity
- Guard Ring for Enhanced Durability and Long Term Reliability

DESCRIPTION: A 200-VOLT, 15 AMP DUAL POWER SCHOTTKY RECTIFIER IN A HERMETIC SHD-4/4A/4B PACKAGE.

| MAXIMUM RATINGS AI | ALL RATINGS ARE $@$ T _c = 25 °C UNLESS OTHERWISE SPECIFIED. | | | | |
|--|--|---------------------|-----------------|-------|--|
| RATING | | SYMBOL | MAX. | UNITS | |
| PEAK INVERSE VOLTAGE | | PIV | 200 | Volts | |
| MAXIMUM DC OUTPUT CURRENT (With Cathode | e Maintained @ T _C =100 ^O C) | Ι _Ο | 15 | Amps | |
| MAXIMUM NONREPETITIVE FORWARD SURGE (t=8.3ms, Sine) | CURRENT | I _{FSM} | 140 | Amps | |
| MAXIMUM THERMAL RESISTANCE (Junction to N | Mounting Surface, Cathode) | $R_{	ext{	heta}JC}$ | 0.85 | °C/W | |
| MAXIMUM OPERATING TEMPERATURE RANGE | | Top/Tstg | -65 to + 200 | °C | |
| MAXIMUM STORAGE TEMPERATURE RANGE | | Top/Tstg | -65 to + 200 | °C | |

ELECTRICAL CHARACTERISTICS

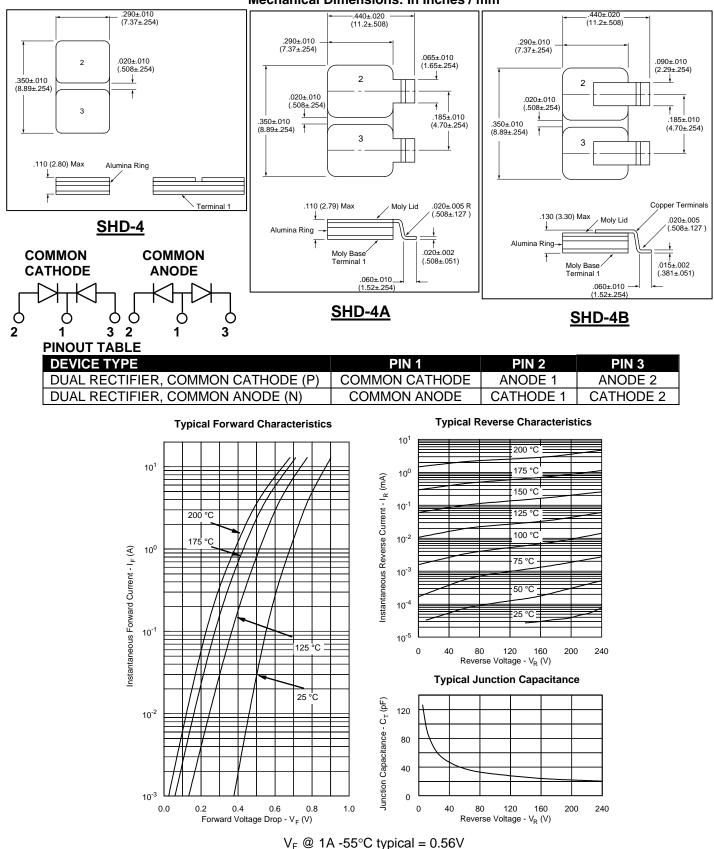
| CHARACTERISTIC | | SYMBOL | MAX. | UNITS |
|--|----------------------|----------------|--------------|-------|
| MAXIMUM FORWARD VOLTAGE DROP, Pulsed ($I_f = 7.5$ Amp | os) | | | |
| T _J = 25 °C T _J = 125 °C | | V _f | 0.92 0.76 | Volts |
| MAXIMUM REVERSE CURRENT (Ir @ 200V PIV) | | | | |
| T _J = 25 °C T _J = 125 °C | | ۱ _r | 0.05 0.5 | mA |
| MAXIMUM JUNCTION CAPACITANCE | (V _r =5V) | C _T | 150 | pF |

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 World Wide Web - http://www.sensitron.com • E-mail Address - sales@sensitron.com •

SHD117136(P/N) SHD117136(P/N)A SHD117136(P/N)B

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Mechanical Dimensions: In Inches / mm



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