TECHNICAL DATA DATA SHEET 4573, REV. –

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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 ARE @ T _c = 25 °C UNLI	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 Maintained @ T_c =100 $^{\circ}$ C)	Ι _Ο	15	Amps		
MAXIMUM NONREPETITIVE FORWARD SURGE CURRENT (t=8.3ms, Sine)	I _{FSM}	140	Amps		
MAXIMUM THERMAL RESISTANCE (Junction to 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

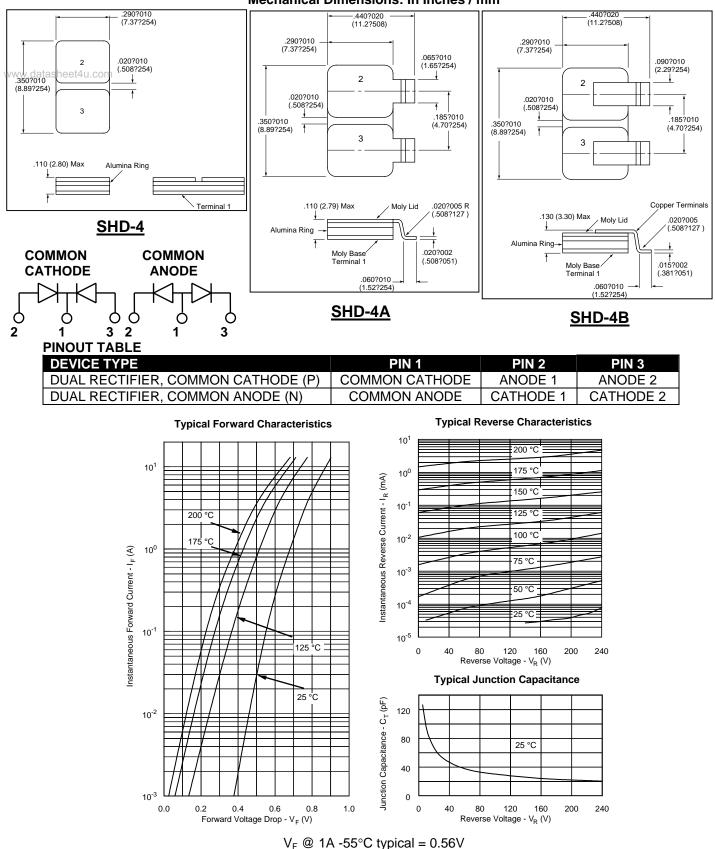
CHARACTERISTIC		SYMBOL	MAX.	UNITS
MAXIMUM FORWARD VOLTAGE DROP, Pulsed ($I_f = 7.5$ Amps)				
T _J = 25 °C T _J = 125 °C		V _f	0.92 0.76	Volts
MAXIMUM REVERSE CURRENT (Ir @ 200V PIV)				
T _J = 25 °C T _J = 125 °C		l _r	0.008 0.5	mA
MAXIMUM JUNCTION CAPACITANCE	(V _r =5V)	C _T	150	pF

• 221 WEST INDUSTRY COURT • DEER PARK, NY 11729-4681 • PHONE (631) 586-7600 • FAX (631) 242-9798 Sheet4U.com • 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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TECHNICAL DATA

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