TECHNICAL DATA DATA SHEET 4762, 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 60-VOLT, 30 AMP DUAL POWER SCHOTTKY RECTIFIER IN A HERMETIC SHD-4/4A/4B PACKAGE.

$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	LL RATINGS ARE @ T _c = 25 °C UNLESS OTHERWISE SPECIFIED.				
RATING	SYMBOL	MAX.	UNITS		
PEAK INVERSE VOLTAGE	PIV	60	Volts		
MAXIMUM DC OUTPUT CURRENT (With Cathode Maintained @ T_c =100 $^{\circ}$ C)	Ι _Ο	30	Amps		
MAXIMUM NONREPETITIVE FORWARD SURGE CURRENT (t=8.3ms, Sine)	I _{FSM}	280	Amps		
MAXIMUM THERMAL RESISTANCE (Junction to Mounting Surface, Cathode)	$R_{ ext{ heta}JC}$	0.4	°C/W		
MAXIMUM OPERATING TEMPERATURE RANGE	Top/Tstg	-65 to + 150	°C		
MAXIMUM STORAGE TEMPERATURE RANGE	Top/Tstg	-65 to + 150	°C		

ELECTRICAL CHARACTERISTICS

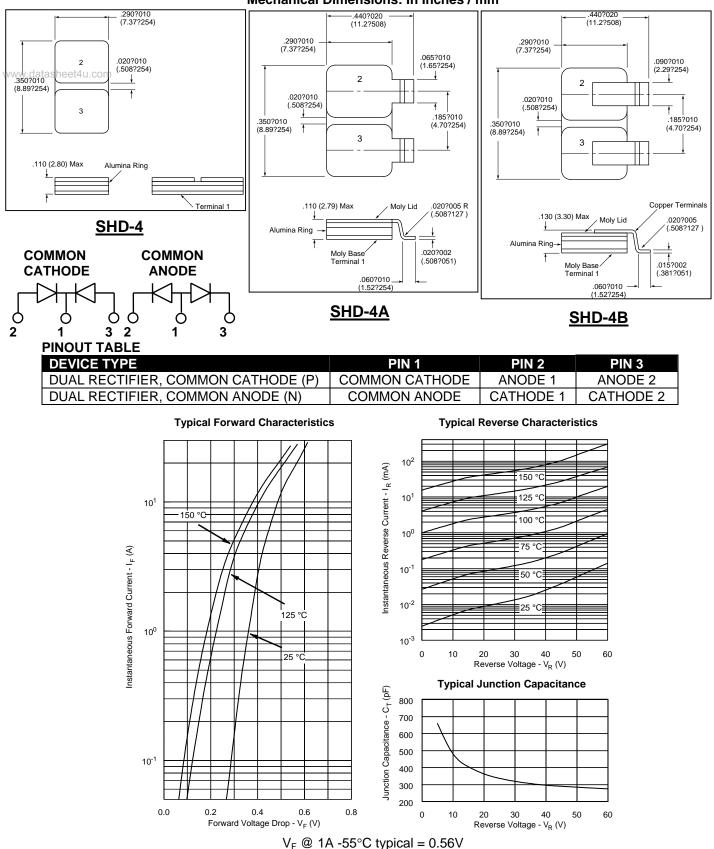
CHARACTERISTIC		SYMBOL	MAX.	UNITS
MAXIMUM FORWARD VOLTAGE DROP, Pulsed ($I_f = 30$ Amps)				
$T_J = 25 \text{ °C}$ $T_J = 125 \text{ °C}$		V _f	0.56 0.51	Volts
MAXIMUM REVERSE CURRENT (Ir @ 60V PIV)				
$T_J = 25 \ ^{\circ}C$ $T_J = 125 \ ^{\circ}C$		l _r	2 140	mA
MAXIMUM JUNCTION CAPACITANCE	(V _r =5V)	C _T	800	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 •

SHD117213(P/N) SHD117213(P/N)A SHD117213(P/N)B

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Mechanical Dimensions: In Inches / mm



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TECHNICAL DATA

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