TECHNICAL DATA DATA SHEET 4578, 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, 30 AMP DUAL POWER SCHOTTKY RECTIFIER IN A HERMETIC SHD-4/4A/4B PACKAGE.

MAXIMUM RATINGSALL RATINGS ARE @ Tc = 25 °C UNLI	ESS 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	30	Amps	
MAXIMUM NONREPETITIVE FORWARD SURGE CURRENT (t=8.3ms, Sine)	I _{FSM}	280	Amps	
MAXIMUM THERMAL RESISTANCE (Junction to Mounting Surface, Cathode)	$R_{ ext{ heta}JC}$	0.40	°C/W	
MAXIMUM OPERATING TEMPERATURE RANGE	Top/Tstg	-65 to + 200	°C	
MAXIMUM STORAGE TEMPERATURE RANGE	Top/Tstg	-65 to + 200	°C	

ELECTRICAL CHARACTERISTICS

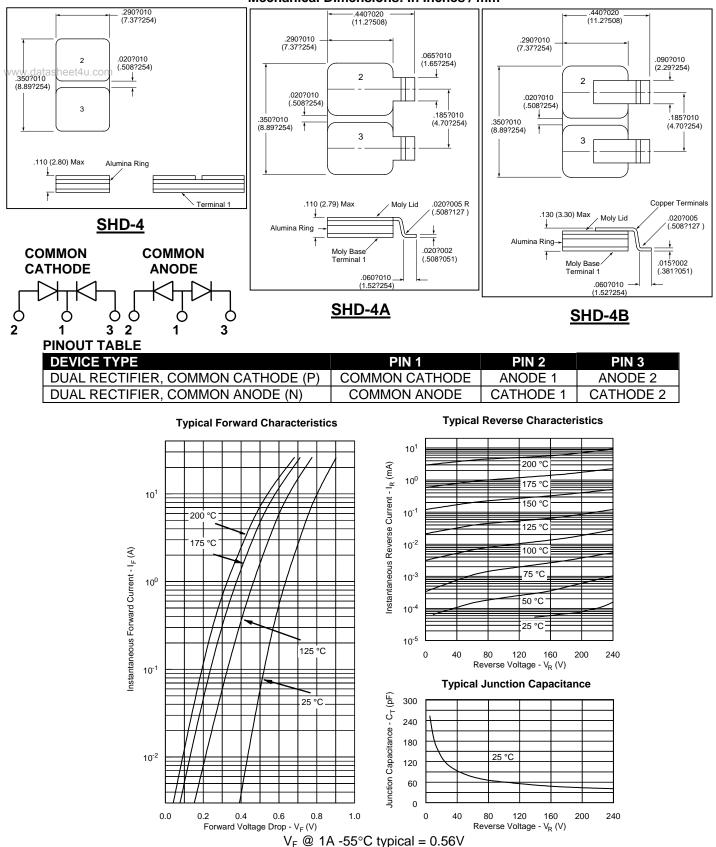
CHARACTERISTIC		SYMBOL	MAX.	UNITS
MAXIMUM FORWARD VOLTAGE DROP, Pulsed ($I_f = 15 \text{ Amps}$)				
$T_J = 25 \text{ °C}$ $T_J = 125 \text{ °C}$		V _f	0.92 0.76	Volts
MAXIMUM REVERSE CURRENT (Ir @ 200V PIV)				
$T_J = 25 \text{ °C}$ $T_J = 125 \text{ °C}$		l _r	0.015 1.0	mA
MAXIMUM JUNCTION CAPACITANCE	(V _r =5V)	C _T	300	pF

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

SHD117236(P/N) SHD117236(P/N)A SHD117236(P/N)B

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Mechanical Dimensions: In Inches / mm



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TECHNICAL DATA

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