

TECHNICAL DATA DATA SHEET 296, REV. A

# HERMETIC POWER SCHOTTKY RECTIFIER Ultra Low Reverse Leakage

**DESCRIPTION:** A 100 VOLT, 60 AMP, DUAL POWER SCHOTTKY RECTIFIERS IN A HERMETIC SHD-5 / 5A / 5B PACKAGE.

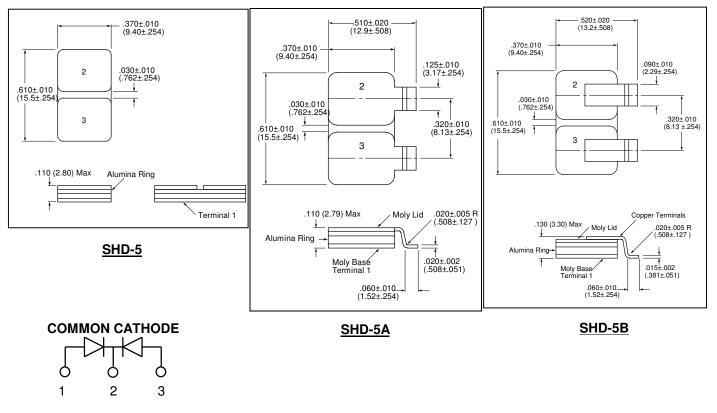
MAXIMUM RATINGS	<b>XIMUM RATINGS</b> ALL RATINGS ARE $@ T_J = 25 \degree C$ UNLESS OTHERWISE SPECIFIED.				
RATING		SYMBOL	MAX.	UNITS	
PEAK INVERSE VOLTAGE		PIV	100	Volts	
MAXIMUM DC OUTPUT CURRENT (With Cathode Maintained @ $T_{C}$ =100 $^{\circ}$ C)		Ι <sub>Ο</sub>	120	Amps	
MAXIMUM NONREPETITIVE FORWARD SURGE CURRENT		I <sub>FSM</sub>	860	Amps	
(t=8.3ms, Sine)					
MAXIMUM JUNCTION CAPACITANCE	(V <sub>r</sub> =5V)	C <sub>T</sub>	1500	pF	
MAXIMUM THERMAL RESISTANCE (Junction to Mounting Surface, Cathode)		$R_{ ext{ heta}JC}$	0.35	°C/W	
MAXIMUM OPERATING AND STORAGE TEMPERATURE RANGE		Top/Tstg	-65 to +200	°C	

# **ELECTRICAL CHARACTERISTICS**

CHARACTERISTIC	SYMBOL	MAX.	UNITS
MAXIMUM FORWARD VOLTAGE DROP, Pulsed (per leg, $I_f = 60$ Amps)			
T <sub>J</sub> =25 °C	V <sub>f</sub>	0.87	Volts
T <sub>J</sub> = 125 °C		0.72	
MAXIMUM REVERSE CURRENT (per leg, I <sub>r</sub> @ 100 V PIV)			
T <sub>J</sub> = 25 °C	l <sub>r</sub>	0.03	mA
T <sub>J</sub> = 125 °C		3.0	

# www.DataShoot411.com

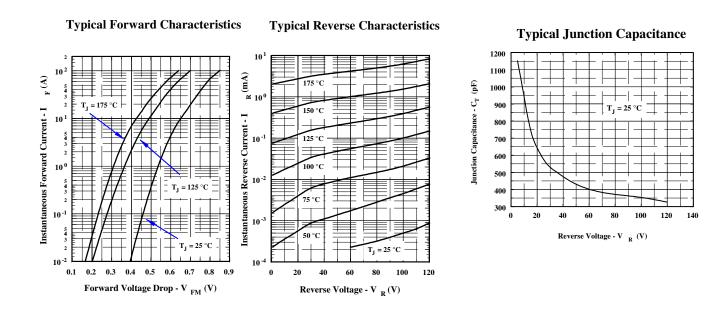
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#### **MECHANICAL DIMENSIONS: In Inches / mm**

#### PINOUT TABLE

DEVICE TYPE	PIN 1	PIN 2	PIN 3
DUAL RECTIFIER, COMMON CATHODE (P)	COMMON CATHODE	ANODE	ANODE



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## TECHNICAL DATA

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