

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.

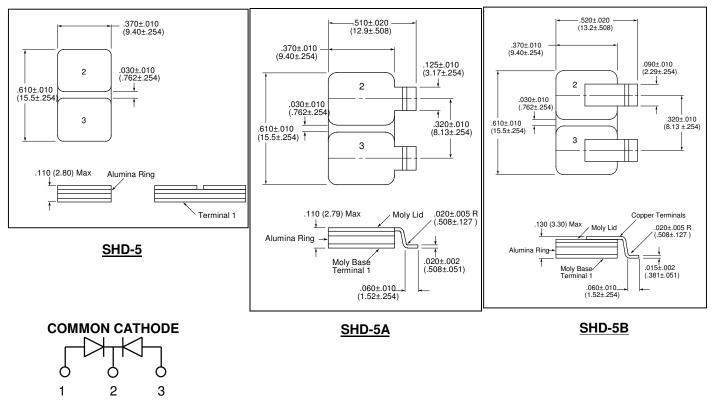
MAXIMUM RATINGS	XIMUM RATINGS ALL RATINGS ARE $@ T_J = 25 \degree C$ UNLESS OTHERWISE SPECIFIED.				
RATING		SYMBOL	MAX.	UNITS	
PEAK INVERSE VOLTAGE		PIV	100	Volts	
MAXIMUM DC OUTPUT CURRENT (With Cathode Maintained @ T_{C} =100 $^{\circ}$ C)		Ι _Ο	120	Amps	
MAXIMUM NONREPETITIVE FORWARD SURGE CURRENT		I _{FSM}	860	Amps	
(t=8.3ms, Sine)					
MAXIMUM JUNCTION CAPACITANCE	(V _r =5V)	C _T	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 _J =25 °C	V _f	0.87	Volts
T _J = 125 °C		0.72	
MAXIMUM REVERSE CURRENT (per leg, I _r @ 100 V PIV)			
T _J = 25 °C	l _r	0.03	mA
T _J = 125 °C		3.0	

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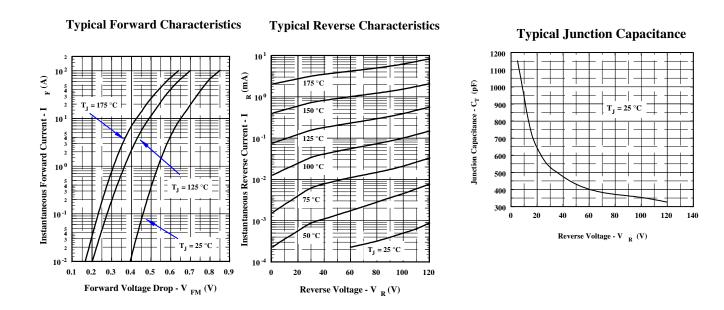
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MECHANICAL DIMENSIONS: In Inches / mm

PINOUT TABLE

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



221 WEST INDUSTRY COURT • DEER PARK, NY 11729-4681 • PHONE (631) 586-7600 • FAX (631) 242-9798 •
 World Wide Web Site - http://www.sensitron.com • E-mail Address - sales@sensitron.com •
 www.DataSheet4U.com



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TECHNICAL DATA

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