

TECHNICAL DATA DATA SHEET 292, REV. A

HERMETIC POWER SCHOTTKY RECTIFIER Ultra Low Reverse Leakage

DESCRIPTION: 100 VOLT, 30 AMP, DUAL POWER SCHOTTKY RECTIFIER IN A HERMETIC SHD-4/4A PACKAGE.

MAXIMUM RATINGS

ALL RATINGS ARE @ $T_C = 25$ °C UNLESS OTHERWISE SPECIFIED.

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RATING	SYMBOL	MAX.	UNITS	
PEAK INVERSE VOLTAGE	PIV	100	Volts	
MAXIMUM DC OUTPUT CURRENT (With Cathode Maintained @ T _C =100 °C)		30	Amps	
MAXIMUM NONREPETITIVE FORWARD SURGE CURRENT (t = 8.3ms, Sine)	I _{FSM}	280	Amps	
	Ст	500	pF	
MAXIMUM THERMAL RESISTANCE (Junction to Case)	$R_{ heta JC}$	0.4	°C/W	
MAXIMUM OPERATING AND STORAGE TEMPERATURE RANGE	Top/Tstg	-65 to + 175	°C	

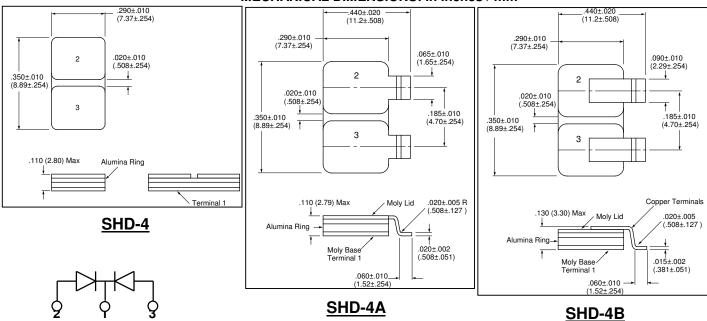
ELECTRICAL CHARACTERISTICS

CHARACTERISTIC	SYMBOL	MAX.	UNITS
MAXIMUM FORWARD VOLTAGE DROP, Pulsed (per leg, I _f = 15 Amps)			
T _J = 25 °C	$V_{\rm f}$	0.84	Volts
T _J = 125 °C	- 1	0.68	
MAXIMUM REVERSE CURRENT (per leg, I _r @ 100V PIV)			
T _J = 25 °C	l _r	0.01	mA
T _J = 125 °C		1.0	

SENSITRON

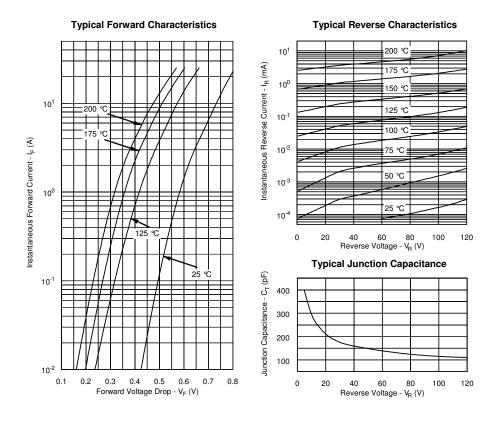
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MECHANICAL DIMENSIONS: In Inches / mm



PINOUT TABLE

DEVICE TYPE	PIN 1	PIN 2	PIN 3
DUAL RECTIFIER COMMON CATHODE (P)	COMMON CATHODE	ANODE	ANODE
SHD-4. SHD-4A. SHD-4B			





TECHNICAL DATA

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