<u>SENSITRON</u> SEMICONDUCTOR

TECHNICAL DATA DATA SHEET 1053, REV. E

HERMETIC SCHOTTKY POWER RECTIFIER Low Voltage Drop

DESCRIPTION: A 45 VOLT, 60 AMP, POWER SCHOTTKY RECTIFIER IN A HERMETIC SHD-2/2B PACKAGE.

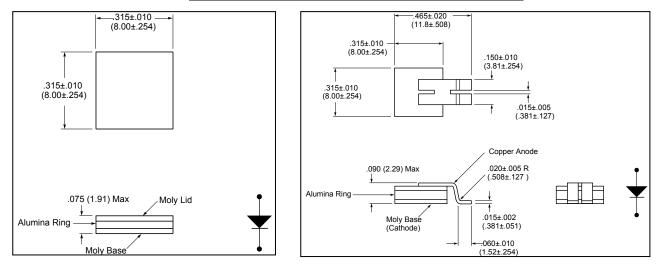
ALL RATINGS ARE @ T _c = 25 °C UNLESS OTHERWISE SPECIFIED.				
RATING		SYMBOL	MAX.	UNITS
PEAK INVERSE VOLTAGE		PIV	45	Volts
MAXIMUM DC OUTPUT CURRENT (With Cathode Maintained @ T_c =100 $^{\circ}$ C)		Ι _ο	60	Amps
MAXIMUM NONREPETITIVE FORWARD SURGE CU	RRENT	I _{FSM}	860	Amps
(t = 8.3ms, Sine)				
MAXIMUM JUNCTION CAPACITANCE ($V_r = 5V$)		C _T	2400	pF
MAXIMUM THERMAL RESISTANCE (Junction to Mou	nting Surface, Cathode)	$R_{ ext{ heta}JC}$	0.7	°C/W
MAXIMUM OPERATING TEMPERATURE RANGE		Тор	-65 to + 150	°C
MAXIMUM STORAGE TEMPERATURE RANGE		Tstg	-65 to + 150	°C

ELECTRICAL CHARACTERISTICS

CHARACTERISTIC	SYMBOL	MAX.	UNITS
MAXIMUM FORWARD VOLTAGE DROP, Pulsed ($I_f = 60 \text{ Amps}$)			
T _J = 25 °C	V _f	0.64	Volts
T _J = 125 °C	•	0.61	
MAXIMUM REVERSE CURRENT (I _r @ 45V PIV)			
T _J = 25 °C	l _r	4.5	mA
T _J = 125 °C		210	

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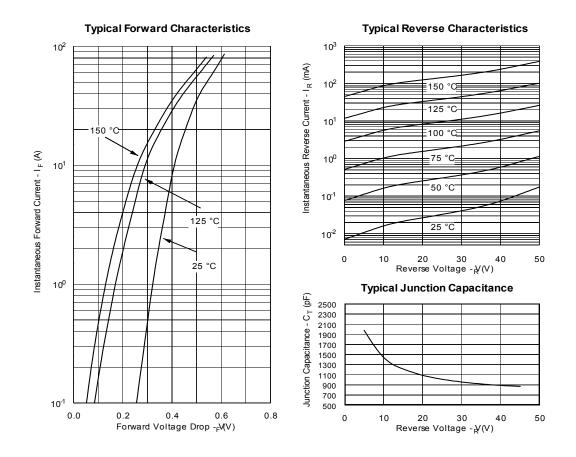
MECHANICAL DIMENSIONS: In Inches / mm



<u>SHD-2</u>

SHD-2B

PINOUT TABLE		
ТҮРЕ	PIN 1 (Base)	PIN 2
SINGLE RECTIFIER	CATHODE	ANODE
in a Surface Mount Package		



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SHD115512 SHD115512B

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