TECHNICAL DATA DATA SHEET 1053, REV. C

HERMETIC SCHOTTKY POWER RECTIFIER Low Voltage Drop

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

MAXIMUM RATINGS

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

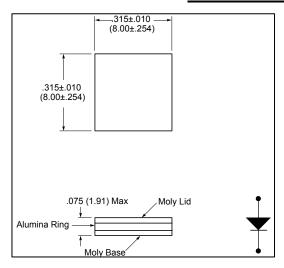
RATING	SYMBOL	MAX.	UNITS
PEAK INVERSE VOLTAGE	PIV	45	Volts
MAXIMUM DC OUTPUT CURRENT (With Cathode Maintained @ T _C =100 ^o C)	I _O	60	Amps
MAXIMUM NONREPETITIVE FORWARD SURGE CURRENT	I _{FSM}	860	Amps
(t = 8.3ms, Sine)			
MAXIMUM JUNCTION CAPACITANCE (V _r = 5V)	C _T	2400	pF
MAXIMUM THERMAL RESISTANCE (Junction to Mounting Surface, Cathode)	$R_{ heta JC}$	0.35	°C/W
MAXIMUM OPERATING TEMPERATURE RANGE	Тор	-65 to + 150	°C
MAXIMUM STORAGE TEMPERATURE RANGE	Tstg	-65 to + 150	°C

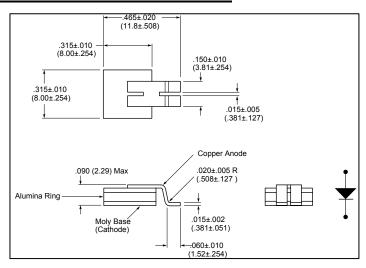
ELECTRICAL CHARACTERISTICS

CHARACTERISTIC		SYMBOL	MAX.	UNITS
MAXIMUM FORWARD VOLTAGE DROP, Pulsed	(I _f = 60 Amps)			
	T _J = 25 °C	V_{f}	0.62	Volts
	T _J = 125 °C		0.59	
MAXIMUM REVERSE CURRENT (I _r @ 45V PIV)				
	T _J = 25 °C	I_r	4.5	mA
	T _J = 125 °C		210	

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MECHANICAL DIMENSIONS: In Inches / mm





SHD-2B

PINOUT TABLE

TYPE	PIN 1 (Base)	PIN 2
SINGLE RECTIFIER	CATHODE	ANODE
in a Surface Mount Package		

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Note: The above Vf characteristics are for die only.

