

TECHNICAL DATA DATA SHEET 796, REV. B

POWER SCHOTTKY RECTIFIER Very Low Voltage Drop

DESCRIPTION: A 60 VOLT, 30 AMP, POWER SCHOTTKY RECTIFIER IN A HERMETIC SHD-2/2B PACKAGE.

MAXIMUM RATINGS

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

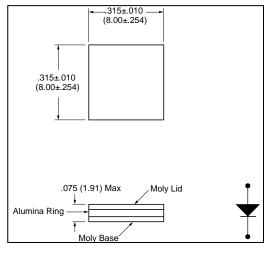
RATING	SYMBOL	MAX.	UNITS
PEAK INVERSE VOLTAGE	PIV	60	Volts
MAXIMUM DC OUTPUT CURRENT (With Cathode Maintained @ T _C =100 ^O C)	Io	40	Amps
MAXIMUM NONREPETITIVE FORWARD SURGE CURRENT	I _{FSM}	320	Amps
(t = 8.3ms, Sine)			
MAXIMUM JUNCTION CAPACITANCE (V _r = 5V)	C _T	1600	pF
MAXIMUM THERMAL RESISTANCE (Junction to Mounting Surface, Cathode)	$R_{ heta JC}$	0.9	°C/W
MAXIMUM OPERATING TEMPERATURE RANGE	Тор	-65 to + 150	°C
MAXIMUM STORAGE TEMPERATURE RANGE	Tstg	-65 to + 150	°C

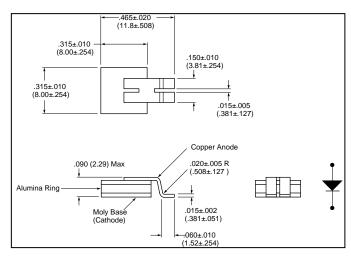
ELECTRICAL CHARACTERISTICS

CHARACTERISTIC		SYMBOL	MAX.	UNITS
MAXIMUM FORWARD VOLTAGE DROP, Pulsed	(I _f = 30 Amps)			
	T _J = 25 °C	V_{f}	0.63	Volts
	T _J = 125 °C	- 1	0.59	
MAXIMUM REVERSE CURRENT (I _r @ 60V PIV)				
	T _J = 25 °C	l _r	1.7	mA
	T _J = 125 °C		96	

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MECHANICAL DIMENSIONS: In Inches / mm



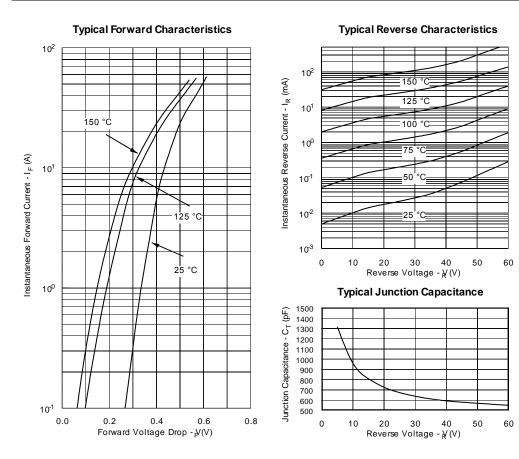


SHD-2

SHD-2B

PINOUT TABLE

TYPE	PIN 1 (Base)	PIN 2
SINGLE RECTIFIER	CATHODE	ANODE



Vf curves shown are for SD175SA60.

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