TECHNICAL DATA DATA SHEET 333, REV. A

ULTRA LOW REVERSE LEAKAGE POWER SCHOTTKY RECTIFIER Very Low Voltage Drop

DESCRIPTION: 100 VOLT, 3.0 AMP, POWER SCHOTTKY RECTIFIER IN A HERMETIC SHD-1/A/B PACKAGE.

MAXIMUM RATINGS

ALL RATINGS ARE @ $T_{\rm C}$ = 25 °C UNLESS OTHERWISE SPECIFIED.

RATING	SYMBOL	MAX.	UNITS
PEAK INVERSE VOLTAGE	PIV	100	Volts
MAXIMUM DC OUTPUT CURRENT (With Cathode Maintained @ T _C =100 ^O C)	Io	3.0	Amps
MAXIMUM NONREPETITIVE FORWARD SURGE CURRENT	I _{FSM}	55	Amps
(t = 8.3ms, Sine)			
MAXIMUM JUNCTION CAPACITANCE (V _r =5V) (per leg)	C _T	100	pF
MAXIMUM THERMAL RESISTANCE (Junction to Mounting Surface, Cathode)	$R\theta_{JC}$	3.7	°C/W
MAXIMUM OPERATING TEMPERATURE RANGE	Тор	-65 to + 200	°C
MAXIMUM STORAGE TEMPERATURE RANGE	Tstg	-65 to + 175	°C

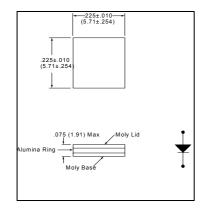
ELECTRICAL CHARACTERISTICS

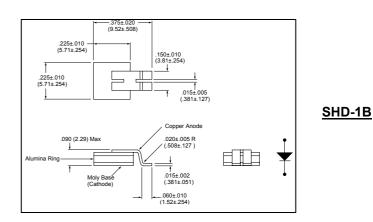
CHARACTERISTIC			
MAXIMUM FORWARD VOLTAGE DROP, Pulsed (I _f = 3.0 Amps)			
T _J = 25 °C	V_{f}	0.84	Volts
T _J = 125 °C	-1	0.68	
MAXIMUM REVERSE CURRENT (I _r @ 100V PIV)			
T _J = 25 °C	l _r	0.005	mA
T _J = 125 °C		0.25	

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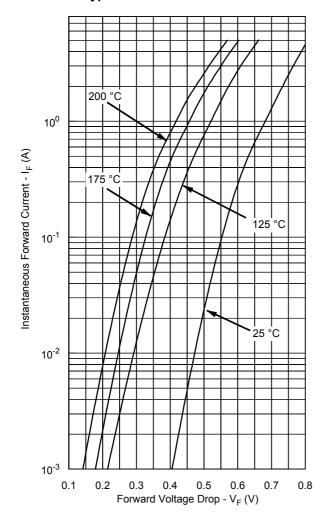
MECHANICAL DIMENSIONS: In Inches / mm

SHD-1

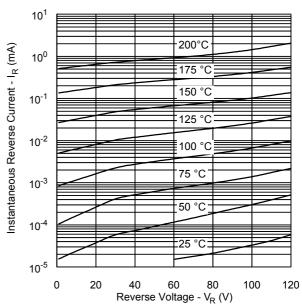


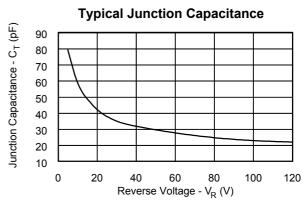


Typical Forward Characteristics



Typical Reverse Characteristics





SENSITRON

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