TECHNICAL DATA DATA SHEET 379, REV. A

HERMETIC POWER SCHOTTKY RECTIFIER 200°C Maximum Operation Temperature

DESCRIPTION: 100 VOLT, 7.5 AMP, HERMETIC POWER SCHOTTKY RECTIFIER IN A SHD-1/1A/1B PACKAGE.

MAXIMUM RATINGS

ALL RATINGS ARE @ T_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 °C)	Io	7.5	Amps
MAXIMUM NONREPETITIVE FORWARD SURGE CURRENT	I _{FSM}	140	Amps
(t=8.3ms, Sine)			
MAXIMUM JUNCTION CAPACITANCE (V _r =5V)	C _T	250	pF
MAXIMUM THERMAL RESISTANCE (Junction to Mounting Surface, Cathode)	Rθ _{JC} 1.7		°C/W
MAXIMUM OPERATING AND STORAGE TEMPERATURE RANGE	Top/Tstg	-65 to + 200	°C

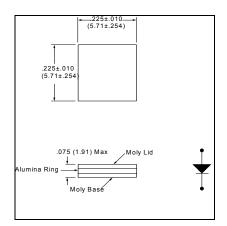
ELECTRICAL CHARACTERISTICS

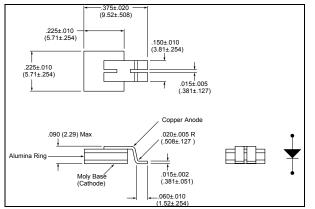
CHARACTERISTIC				
MAXIMUM FORWARD VOLTAGE DROF	P, Pulsed (I _f = 7.5 Amps)			
	T _J = 25 °C	$V_{\rm f}$	0.84	Volts
	T _J = 125 °C	- 1	0.68	
MAXIMUM REVERSE CURRENT (I, @	100V PIV)			
	T _J = 25 °C	l _r	0.18	mA
	T _J = 125 °C		4.0	

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MECHANICAL DIMENSIONS: In Inches / mm

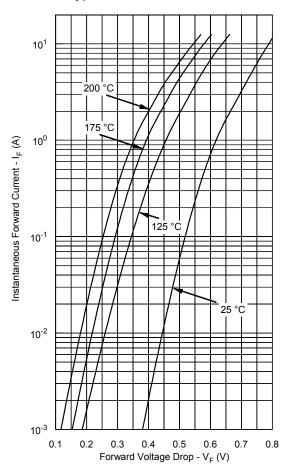
SHD-1



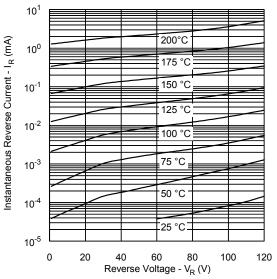


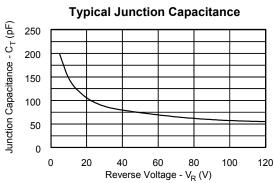
SHD-1B

Typical Forward Characteristics



Typical Reverse Characteristics





SENSITRON

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