TECHNICAL DATA
DATA SHEET 380, REV. A
Formerly part number SHD1164/A/B

HERMETIC POWER SCHOTTKY RECTIFIER 200°C Maximum Operation Temperature

Add suffix "S" to the part number(s) for S-100 Screening.

DESCRIPTION: A 100V, 15A, POWER SCHOTTKY RECTIFIER IN HERMETIC SHD-1/1B PACKAGE.

RATING	SYMBOL	MAX.	UNITS
PEAK INVERSE VOLTAGE	PIV	100	Volts
MAXIMUM DC OUTPUT CURRENT (With Cathode Maintained @ T _C =100 °C)	Io	15	Amps
MAXIMUM NONREPETITIVE FORWARD SURGE CURRENT		280	Amps
(t=8.3ms, Sine)			
MAXIMUM JUNCTION CAPACITANCE (V _r =5V)	Ст	500	pF
MAXIMUM THERMAL RESISTANCE (Junction to Mounting Surface, Cathode)	$R_{ heta JC}$	0.85	°C/W
MAXIMUM OPERATING AND STORAGE TEMPERATURE RANGE	Top/Tstg	-65 to + 200	°C

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

CHARACTERISTIC		SYMBOL	MAX.	UNITS
MAXIMUM FORWARD VOLTAGE DROP, Pulse	ed (I _f = 15 Amps)			
	T _J = 25 °C	V _f	0.84	Volts
	T _J = 125 °C		0.68	
MAXIMUM REVERSE CURRENT (I _r @ 100V PIV)				
	T _J = 25 °C	I _r	0.35	mA
	T _J = 125 °C		8.0	

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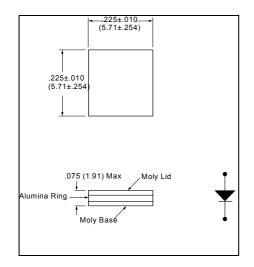
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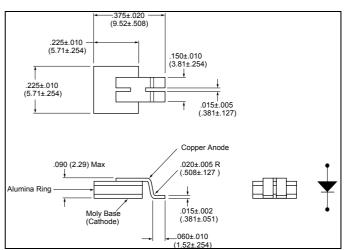
SENSITRON

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MECHANICAL DIMENSIONS: In Inches / mm

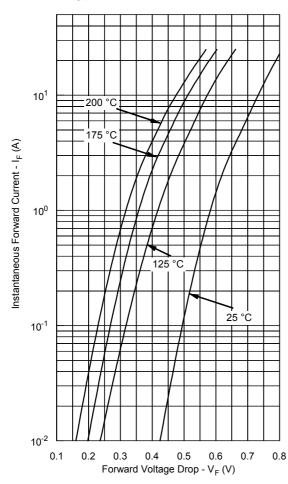
SHD-1



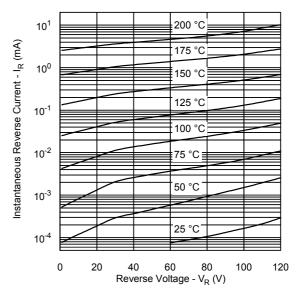


SHD-1B

Typical Forward Characteristics



Typical Reverse Characteristics



Typical Junction Capacitance

