SENSITRON SEMICONDUCTOR

TECHNICAL DATA DATA SHEET 620, REV. C

HERMETIC POWER SCHOTTKY RECTIFIER 200°C Maximum Operation Temperature

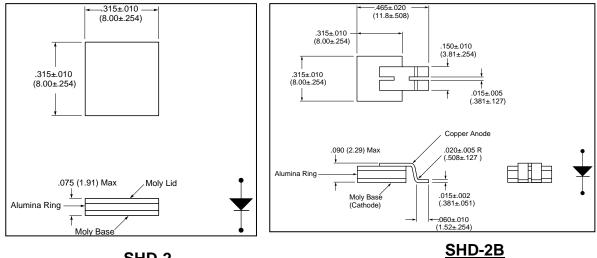
DESCRIPTION: 100 VOLT, 30 AMP, POWER SCHOTTKY RECTIFIERS IN A HERMETIC SHD-2 / 2B PACKAGE.

MAXIMUM RATINGS ARE @ T _c = 25 °C UNLESS OTHERWISE SPECIFIED.				IED.
RATING		SYMBOL	MAX.	UNITS
PEAK INVERSE VOLTAGE		PIV	100	Volts
MAXIMUM DC OUTPUT CURRENT (With Cathode	Maintained @ Tc=100 °C)	lo	30	Amps
MAXIMUM NONREPETITIVE FORWARD SURGE	CURRENT (t=8.3ms, Sine)	IFSM	570	Amps
MAXIMUM JUNCTION CAPACITANCE	(V _r =5V)	Ст	1200	pF
MAXIMUM THERMAL RESISTANCE (Junction to N	Iounting Surface, Cathode)	Rejc	0.9	°C/W
MAXIMUM OPERATING AND STORAGE TEMPER	ATURE RANGE	Top/Tstg	-65 to +200	°C

ELECTRICAL CHARACTERISTICS

CHARACTERISTIC	SYMBOL	MAX.	UNITS
MAXIMUM FORWARD VOLTAGE DROP, Pulsed (per leg, $I_f = 30$ Amps)			
TJ= 25 ℃	Vf	0.84	Volts
T _J = 125 °C		0.68	
MAXIMUM REVERSE CURRENT (per leg, I _r @ 100 V PIV)			
TJ= 25 °C	lr	0.75	mA
T _J = 125 °C		15	

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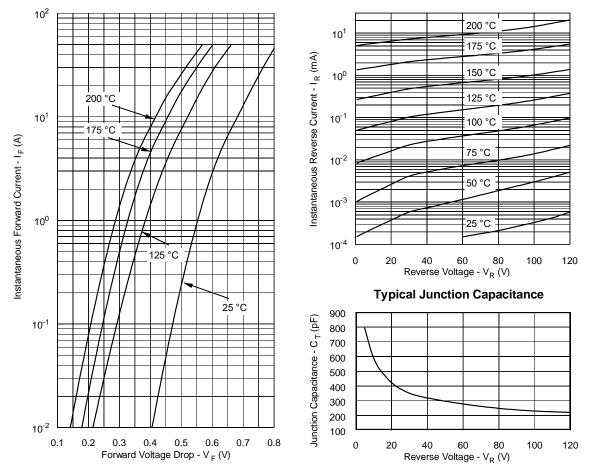


MECHANICAL DIMENSIONS: In Inches / mm

<u>SHD-2</u>

Typical Forward Characteristics

Typical Reverse Characteristics



PART OR	DERING INFORMATION:
	SHD <u>115444B</u> <u>XX</u> <u>X</u>
	Part Number
Screening	Level (blank is no screening):
Suffix	Screened in Accordance with:
blank	No screening level
S	MIL-PRF-19500, TXV Level
SS	MIL-PRF-19500, S Level
QCI (blan	k is no QCI):
Suffix	Inspection in Accordance with:
blank	No QCI
Q	MIL-PRF-19500 QCI

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