TECHNICAL DATA DATA SHEET 1047, REV. A.1

POWER SCHOTTKY RECTIFIER Very Low Voltage Drop

(S-100 for JANTXV equivalent screening; SS for JANS equivalent screening available)

DESCRIPTION: A 30 VOLT, 15 AMP, POWER SCHOTTKY RECTIFIER IN A HERMETIC SHD-3/3B PACKAGE.

MAXIMUM RATINGS

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

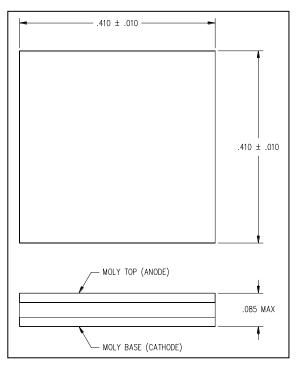
RATING	SYMBOL	MAX.	UNITS
PEAK INVERSE VOLTAGE		30	Volts
MAXIMUM DC OUTPUT CURRENT (With Cathode Maintained @ T _C =100 °C)		15	Amps
MAXIMUM NONREPETITIVE FORWARD SURGE CURRENT		280	Amps
(t=8.3ms, Sine)			
MAXIMUM JUNCTION CAPACITANCE (V _r =5V)	Ст	1100	pF
MAXIMUM THERMAL RESISTANCE (Junction to Mounting Surface, Cathode)		1.7	°C/W
MAXIMUM OPERATING AND STORAGE TEMPERATURE RANGE		-65 to + 150	°C

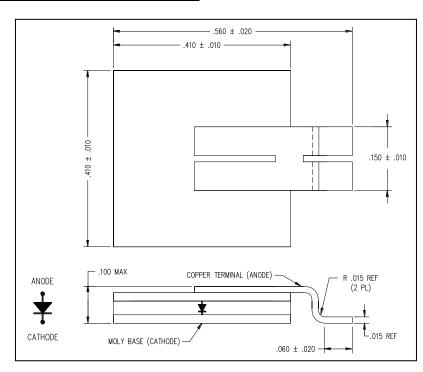
ELECTRICAL CHARACTERISTICS

CHARACTERISTIC	SYMBOL	MAX.	UNITS
MAXIMUM FORWARD VOLTAGE DROP, Pulsed (I _f = 15 Amps)			
T _J = 25 °C	V_{f}	0.49	Volts
T _J = 125 °C		0.39	
MAXIMUM REVERSE CURRENT (Ir @ 30V PIV)			
T _J = 25 °C	Ir	2.0	mA
T _J = 125 °C		100	

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MECHANICAL DIMENSIONS: In Inches / mm



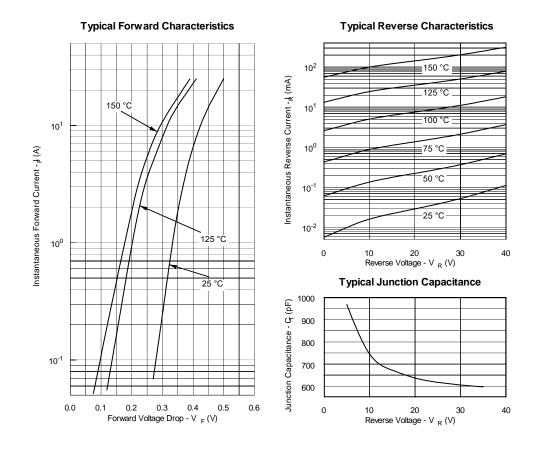


SHD-3B

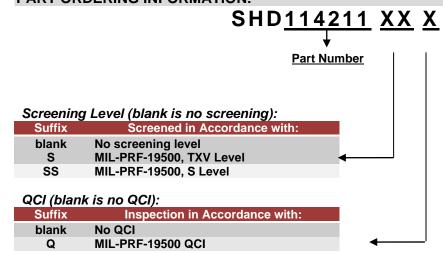
PINOUT TABLE

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

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PART ORDERING INFORMATION:



SENSITRON

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