TECHNICAL DATA DATA SHEET 4121, REV. B

POWER SCHOTTKY RECTIFIER Very Low Voltage Drop

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

DESCRIPTION: A 60 VOLT, 120 AMP, POWER SCHOTTKY RECTIFIER IN A HERMETIC SHD-3/3A/3B PACKAGE.

MAXIMUM RATINGS

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

RATING	SYMBOL	MAX.	UNITS
PEAK INVERSE VOLTAGE		60	Volts
MAXIMUM DC OUTPUT CURRENT (With Cathode Maintained @ T _C =100 °C)		120	Amps
MAXIMUM NONREPETITIVE FORWARD SURGE CURRENT		1650	Amps
(t=8.3ms, Sine)			
MAXIMUM JUNCTION CAPACITANCE (V _r =5V)	C _T	5000	pF
MAXIMUM THERMAL RESISTANCE (Junction to Mounting Surface, Cathode)		0.20	°C/W
MAXIMUM OPERATING AND STORAGE TEMPERATURE RANGE		-65 to + 175	°C

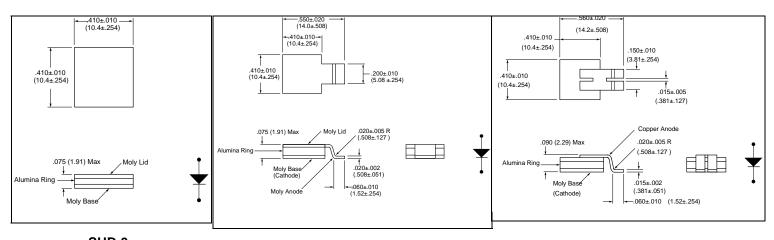
ELECTRICAL CHARACTERISTICS

CHARACTERISTIC	SYMBOL	MAX.	UNITS
MAXIMUM FORWARD VOLTAGE DROP, Pulsed (I _f = 120 Amps)			
T _J = 25 °C	V_{f}	0.79	Volts
T _J = 125 °C	- 1	0.72	
MAXIMUM REVERSE CURRENT (I _r @ 60V PIV)			
T _J = 25 °C	l _r	3	mA
T _J = 125 °C		180	

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MECHANICAL DIMENSIONS: In Inches / mm

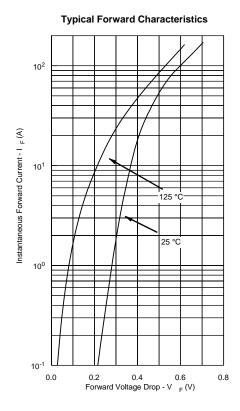


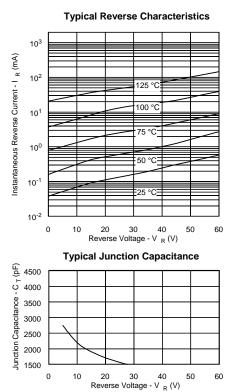
SHD-3A SHD-3B

PINOUT TABLE

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

Note: The Vf curves are for unpackaged die only





SENSITRON

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