DATA SHEET 5091, REV. B

HERMETIC POWER SCHOTTKY RECTIFIER Very Low Forward Voltage Drop

DESCRIPTION: A 45-VOLT, 120 AMP, POWER SCHOTTKY RECTIFIER IN A HERMETIC CERAMIC SHD-3/3B HP PACKAGE.

MAXIMUM RATINGS

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

RATING	SYMBOL	MAX.	UNITS
PEAK INVERSE VOLTAGE	PIV	45	Volts
MAXIMUM DC OUTPUT CURRENT (With Cathode Maintained @ $T_c=100$ °C)	lo	120	Amps
MAXIMUM NONREPETITIVE FORWARD SURGE CURRENT (t = 8.3ms, Sine)	I _{FSM}	1650	Amps
MAXIMUM JUNCTION CAPACITANCE (Vr=5V)	Ст	4800	pF
MAXIMUM THERMAL RESISTANCE	Rejc	0.38	°C/W
MAXIMUM OPERATING AND STORAGE TEMPERATURE RANGE	Top/Tstg	-65 to + 175	°C

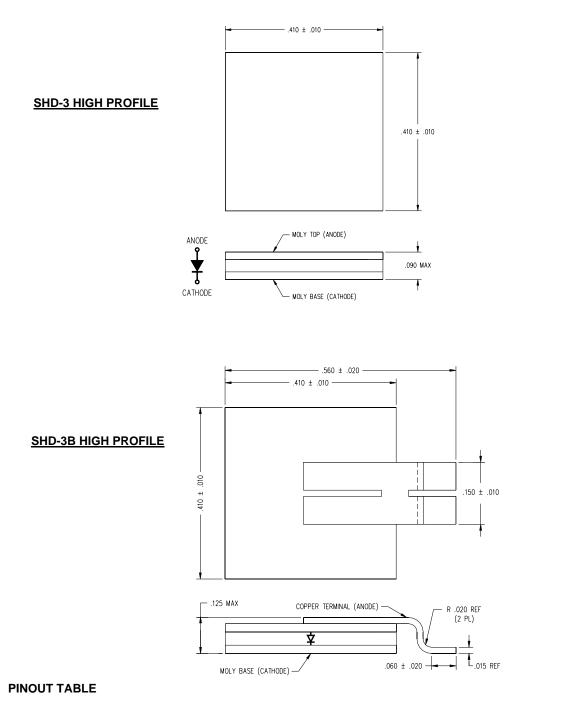
ELECTRICAL CHARACTERISTICS

CHARACTERISTIC	SYMBOL	MAX.	UNITS
MAXIMUM FORWARD VOLTAGE DROP, Pulsed (I _f = 120 Amps)			
T _J = 25 °C	Vf	0.66	Volts
T _J = 125 °C	• 1	0.59	
MAXIMUM REVERSE CURRENT (Ir @ 45V PIV)			
T _J = 25 °C	Ir	2.4	mA
T _J = 125 °C		90	

SENSITRON SEMICONDUCTOR

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ТҮРЕ	PIN 1 (Base)	PIN 2
SINGLE RECTIFIER	CATHODE	ANODE
in a Surface Mount Package		

<u>SENSITRON</u> SEMICONDUCTOR

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