TECHNICAL DATA DATA SHEET 1057, REV. -

HERMETIC POWER SCHOTTKY RECTIFIER

DESCRIPTION: A 30 VOLT, 120 AMP, HERMETIC POWER SCHOTTKY RECTIFIER IN A SHD-3/3A/3B PACKAGE.

MAXIMUM RATINGS

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

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RATING	SYMBOL	MAX.	UNITS
PEAK INVERSE VOLTAGE	PIV	30	Volts
MAXIMUM DC OUTPUT CURRENT (With Cathode Maintained @ T _C =100 ^O C)	Io	120	Amps
MAXIMUM NONREPETITIVE FORWARD SURGE CURRENT (t=10ms, Sine)	I _{FSM}	1650	Amps
MAXIMUM JUNCTION CAPACITANCE (V _r =5V)	Ст	6600	pF
MAXIMUM THERMAL RESISTANCE (Junction to Mounting Surface, Cathode)	$R_{ heta JC}$	0.20	°C/W
MAXIMUM OPERATING AND STORAGE TEMPERATURE RANGE	Top/Tstg	-65 to + 150	°C

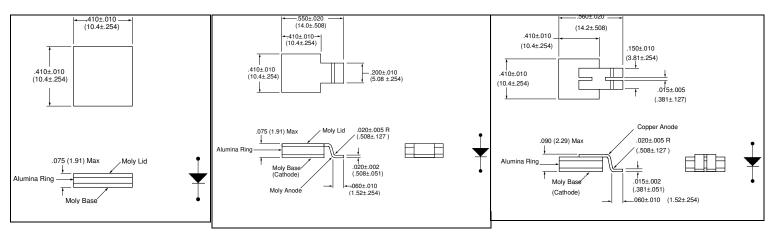
ELECTRICAL CHARACTERISTICS

CHARACTERISTIC	SYMBOL	MAX.	UNITS
MAXIMUM FORWARD VOLTAGE DROP, Pulsed (I _f = 120 Amps)			
T _J = 25 °C	V_{f}	0.53	Volts
T _J = 125 °C		0.43	
MAXIMUM REVERSE CURRENT (I _r @ 30 V PIV)			
T _J = 25 °C	l _r	12	mA
T _J = 125 °C		600	

SENSITRON

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MECHANICAL DIMENSIONS: In Inches / mm



SHD-3A SHD-3B



TECHNICAL DATA

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