TECHNICAL DATA DATA SHEET 847, REV. A

HIGH CURRENT HERMETIC SCHOTTKY POWER MODULE

DESCRIPTION: A 15 VOLT, 120 AMP, POWER SCHOTTKY RECTIFIER IN AN SHD-3/3A/3B PACKAGE.

MAXIMUM RATINGS

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

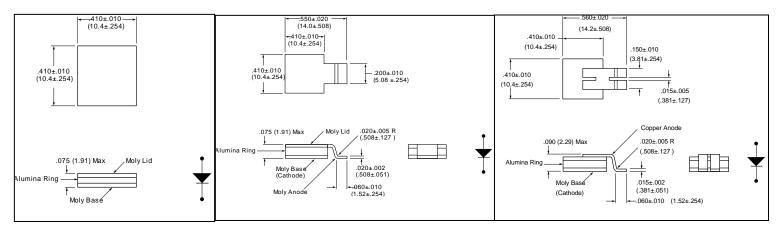
RATING	SYMBOL	MAX.	UNITS
PEAK INVERSE VOLTAGE	PIV	15	Volts
MAXIMUM DC OUTPUT CURRENT @ T _C =70 °C	Io	120	Amps
MAXIMUM NONREPETITIVE FORWARD SURGE CURRENT (t = 8.3ms, Sine)	I _{FSM}	1650	Amps
MAXIMUM JUNCTION CAPACITANCE (V _r =5.0V)	C _T	7200	pF
MAXIMUM THERMAL RESISTANCE	$R_{ heta JC}$	0.38	°C/W
MAXIMUM OPERATING AND STORAGE TEMPERATURE RANGE	Top/Tstg	-55 to + 100	°C

ELECTRICAL CHARACTERISTICS

CHARACTERISTIC		SYMBOL	MAX.	UNITS
MAXIMUM FORWARD VOLTAGE DROP, Pulsed	(I _f = 120 Amps)			
	T _J = 25 °C	V_{f}	0.41	Volts
	T _J = 75 °C		0.37	
MAXIMUM REVERSE CURRENT (I _r @ 15 V PIV)				
	T _J = 25 °C	I _r	40	mA
	T _J = 100 °C		2000	

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MECHANICAL DIMENSIONS: In Inches / mm



SHD-3A SHD-3B

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