SENSITRON SEMICONDUCTOR

TECHNICAL DATA DATA SHEET 847, REV. A

HIGH CURRENT HERMETIC SCHOTTKY POWER MODULE

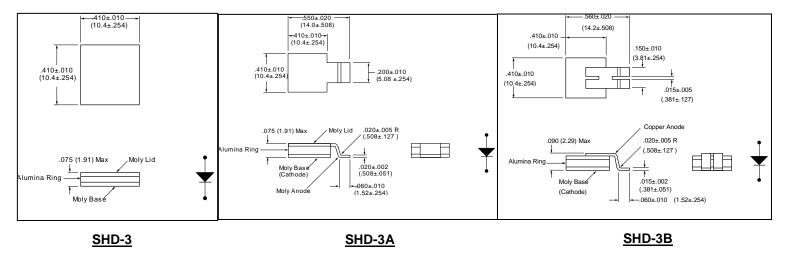
DESCRIPTION: A 15 VOLT, 120 AMP, POWER SCHOTTKY RECTIFIER IN AN SHD-3/3A/3B PACKAGE.

MAXIMUM RATINGS ALL RATINGS	ALL RATINGS ARE $@T_c = 25 \degree C$ UNLESS OTHERWISE SPECIFIED.				
RATING		SYMBOL	MAX.	UNITS	
PEAK INVERSE VOLTAGE		PIV	15	Volts	
MAXIMUM DC OUTPUT CURRENT @ T _C =70 ^O C		Ι _ο	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		$R_{ ext{ heta}JC}$	0.38	°C/W	
MAXIMUM OPERATING AND STORAGE TEMPERATURE RANG	Ε	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 (Ir @ 15 V PIV)				
	T _J = 25 °C	l _r	40	mA
	T _J = 100 °C		2000	

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MECHANICAL DIMENSIONS: In Inches / mm

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