TECHNICAL DATA DATA SHEET 1057, REV. -

HERMETIC POWER SCHOTTKY RECTIFIER

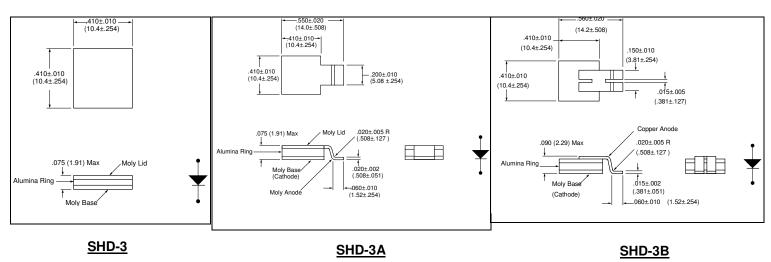
DESCRIPTION: A 30 VOLT, 120 AMP, HERMETIC POWER SCHOTTKY RECTIFIER IN A SHD-3/3A/3B PACKAGE.

MAXIMUM RATINGS ALL RATINGS ARE @ T_C = 25 °C UNLESS OTHERWISE SPECIFIED. RATING SYMBOL MAX. UNITS PEAK INVERSE VOLTAGE PIV 30 Volts MAXIMUM DC OUTPUT CURRENT (With Cathode Maintained @ T_c=100 ^oC) 120 Amps I_0 MAXIMUM NONREPETITIVE FORWARD SURGE CURRENT (t=10ms, Sine) 1650 Amps I_{FSM} MAXIMUM JUNCTION CAPACITANCE $(V_r = 5V)$ Ст 6600 pF MAXIMUM THERMAL RESISTANCE (Junction to Mounting Surface, Cathode) 0.20 °C/W $R_{\theta JC}$ MAXIMUM OPERATING AND STORAGE TEMPERATURE RANGE Top/Tstg -65 to °C + 150

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, @ 30 V PIV)			
T _J = 25 °C	l _r	12	mA
T _J = 125 °C		600	

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MECHANICAL DIMENSIONS: In Inches / mm

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TECHNICAL DATA

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