

TECHNICAL DATA DATA SHEET 6051, REV. A

HERMETIC POWER SCHOTTKY RECTIFIER 200°C Maximum Operation Temperature

DESCRIPTION: 100 VOLT, 30 AMP, POWER SCHOTTKY RECTIFIER IN A HERMETIC SHD-2HP / 2B HP PACKAGE.

MAXIMUM RATINGS

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

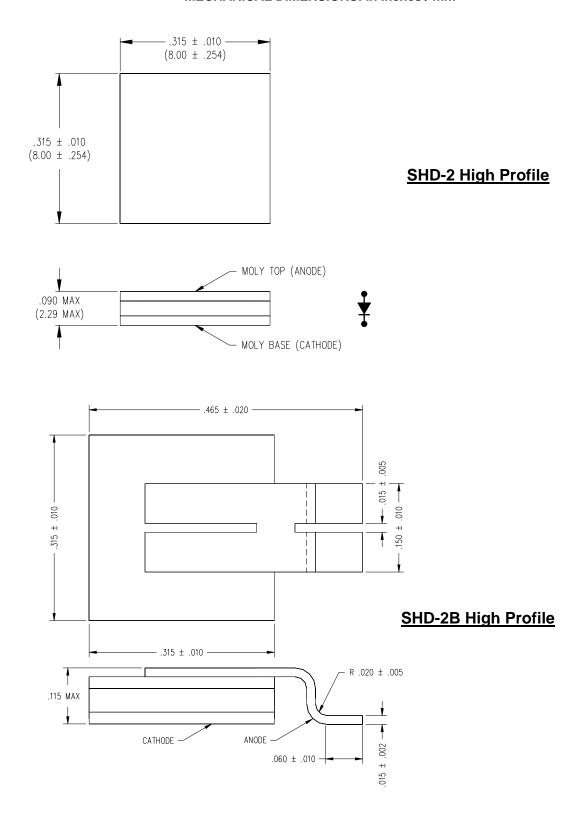
MAXIMOM NATINGS OF ECHTED.			
RATING	SYMBOL	MAX.	UNITS
PEAK INVERSE VOLTAGE	PIV	100	Volts
MAXIMUM DC OUTPUT CURRENT (With Cathode Maintained @ Tc=100 °C)	lo	30	Amps
MAXIMUM NONREPETITIVE FORWARD SURGE CURRENT (t=8.3ms, Sine)		570	Amps
MAXIMUM JUNCTION CAPACITANCE (V _r =5V)	Ст	1200	pF
MAXIMUM THERMAL RESISTANCE (Junction to Mounting Surface, Cathode)	R _θ JC	0.9	°C/W
MAXIMUM OPERATING AND STORAGE TEMPERATURE RANGE	Top/Tstg	-65 to +200	°C

ELECTRICAL CHARACTERISTICS

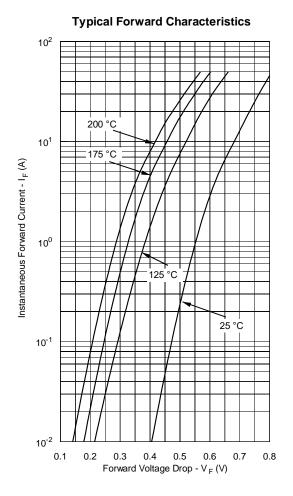
CHARACTERISTIC	SYMBOL	MAX.	UNITS
MAXIMUM FORWARD VOLTAGE DROP, Pulsed (per leg, I _f = 30 Amps)			
T _J = 25 °C	V_{f}	0.84	Volts
T _J = 125 °C		0.68	
MAXIMUM REVERSE CURRENT (per leg, I _r @ 100 V PIV)			
T _J = 25 °C	I_r	0.75	mA
T _J = 125 °C		15	

DATA SHEET 6051, REV. A

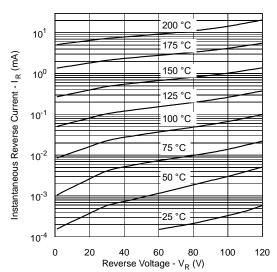
MECHANICAL DIMENSIONS: In Inches / mm



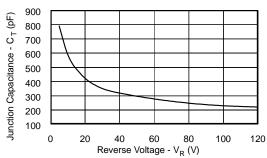
DATA SHEET 6051, REV. A



Typical Reverse Characteristics



Typical Junction Capacitance

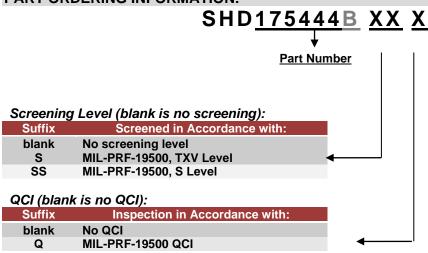


PIN OUT TABLE

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

DATA SHEET 6051, REV. A

PART ORDERING INFORMATION:



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