

TECHNICAL DATA DATA SHEET 4055, REV. C

HERMETIC POWER SCHOTTKY RECTIFIER 175°C Maximum Operation Temperature

DESCRIPTION: A 100-VOLT, 120 AMP, HERMETIC POWER SCHOTTKY RECTIFIER IN A SHD-3/3B 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	100	Volts	
MAXIMUM DC OUTPUT CURRENT (With Cathode Maintained @ Tc=100 °C)	lo	120	Amps	
MAXIMUM NONREPETITIVE FORWARD SURGE CURRENT (t=10ms, Sine)	I _{FSM}	1200	Amps	
MAXIMUM JUNCTION CAPACITANCE (V _r =5V)	Ст	3000	pF	
MAXIMUM THERMAL RESISTANCE (Junction to Mounting Surface, Cathode)	Rθ _J c	0.38	°C/W	
MAXIMUM OPERATING AND STORAGE TEMPERATURE RANGE	Top/Tstg	-65 to + 175	°C	

ELECTRICAL CHARACTERISTICS

CHARACTERISTIC			
MAXIMUM FORWARD VOLTAGE DROP, Pulsed (I _f = 40 Amps)			
T _J = 25 °C	Vf	0.71	Volts
T _J = 125 °C		0.62	
MAXIMUM FORWARD VOLTAGE DROP, Pulsed (I _f = 120 Amps)			
T _J = 25 °C	V _f	0.90	Volts
T _J = 125 °C		0.76	
MAXIMUM REVERSE CURRENT (Ir @ 100 V PIV)			
T _J = 25 °C	I _r	2	mA
T _J = 125 °C		30	

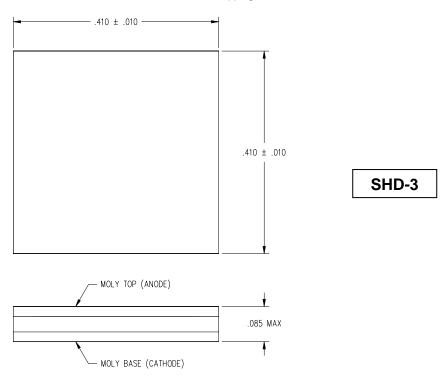
ANODE

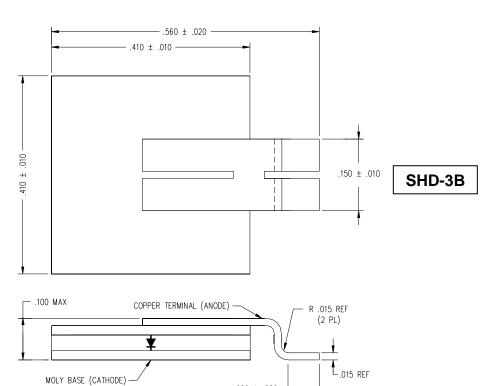
CATHODE

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MECHANICAL DIMENSIONS*: In Inches / mm

*Dimensions shown are with solder dipping.





.060 ± .020 -



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