

TECHNICAL DATA DATA SHEET 5212, REV. A

POWER SCHOTTKY RECTIFIER Very Low Voltage Drop

DESCRIPTION: A 45 VOLT, 15 AMP, POWER SCHOTTKY RECTIFIER IN A HERMETIC SHD-2/2B HP PACKAGE.

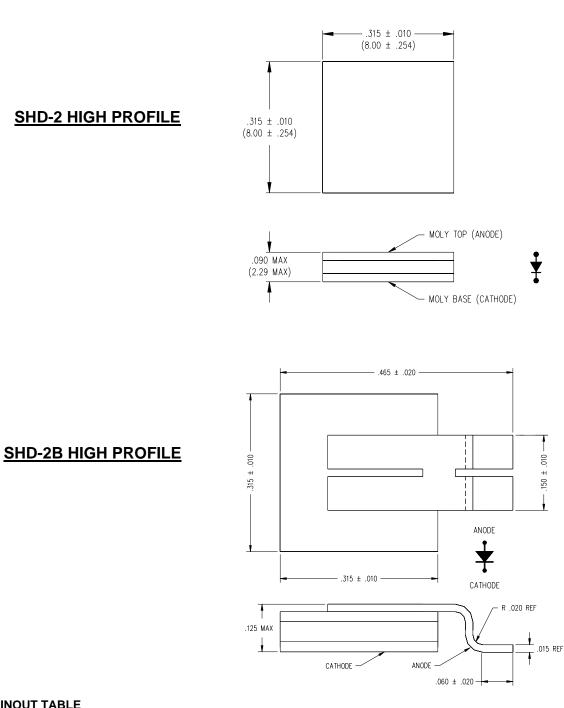
MAXIMUM RATINGS ARE @ T _c = 25 °C UNLESS OTHERWISE SPECIF				SPECIFIED.
RATING		SYMBOL	MAX.	UNITS
PEAK INVERSE VOLTAGE		PIV	45	Volts
MAXIMUM DC OUTPUT CURRENT (With Cathode Maintained @ T_c=100 $^{\circ}\text{C}$)		lo	15	Amps
MAXIMUM NONREPETITIVE FORWARD SURGE CURRENT		IFSM	280	Amps
(t=8.3ms, Sine)				
MAXIMUM JUNCTION CAPACITANCE	(Vr=5V)	Ст	800	рF
MAXIMUM THERMAL RESISTANCE (Junction to Mounting Surface, Cathode)		Rejc	1.7	°C/W
MAXIMUM OPERATING AND STORAGE TEMPERATURE RANGE		Top/Tstg	-65 to + 150	°C

ELECTRICAL CHARACTERISTICS

CHARACTERISTIC		SYMBOL	MAX.	UNITS
MAXIMUM FORWARD VOLTAGE DROP, Pulsed	(I _f = 15 Amps)			
	T _J = 25 °C	Vf	0.56	Volts
	T」= 125 °C		0.51	
MAXIMUM REVERSE CURRENT	(I _r @ 45V)			
	T _J = 25 °C	l _r	1.5	mA
	T」= 125 °C		70	

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DATA SHEET 5212, REV. A



MECHANICAL DIMENSIONS: In Inches / mm

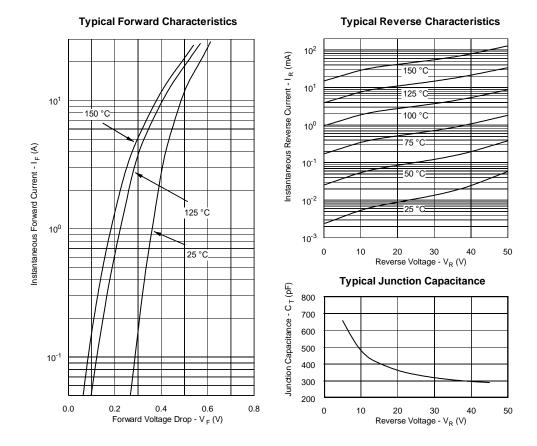
PINOUT TABLE

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

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DATA SHEET 5212, REV A

Note: V_F Curves are shown for die only.



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