SENSITRON SEMICONDUCTOR

TECHNICAL DATA DATA SHEET 5214, REV -

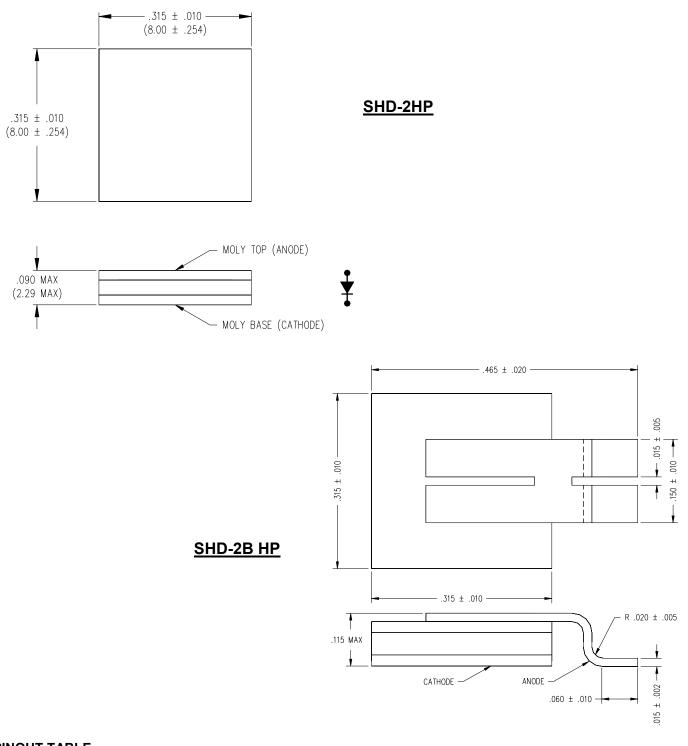
HERMETIC SCHOTTKY POWER RECTIFIER Low Voltage Drop

DESCRIPTION: A 45 VOLT, 60 AMP, POWER SCHOTTKY RECTIFIER IN A HERMETIC SHD-2/2B HP PACKAGE.

TAXIMUM RATINGS ALL RATINGS ARE $@ T_c = 25 \degree C$ UNLESS OTHERWISE SPECIFIED.				
RATING	SYMBOL	MAX.	UNITS	
PEAK INVERSE VOLTAGE	PIV	45	Volts	
MAXIMUM DC OUTPUT CURRENT (With Cathode Maintained @ T_c =100 $^{\circ}$ C)		60	Amps	
MAXIMUM NONREPETITIVE FORWARD SURGE CURRENT	I _{FSM}	860	Amps	
(t = 8.3ms, Sine)				
MAXIMUM JUNCTION CAPACITANCE ($V_r = 5V$)	Ст	2400	pF	
MAXIMUM THERMAL RESISTANCE (Junction to Mounting Surface, Catho	de) R _{eJC}	0.70	°C/W	
MAXIMUM OPERATING TEMPERATURE RANGE	Тор	-65 to + 150	°C	
MAXIMUM STORAGE TEMPERATURE RANGE	Tstg	-65 to + 150	°C	

ELECTRICAL CHARACTERISTICS

CHARACTERISTIC	SYMBOL	MAX.	UNITS
MAXIMUM FORWARD VOLTAGE DROP, Pulsed $(I_f = 60 \text{ Amps})$			
T _J = 25 °C	V _f	0.64	Volts
T _J = 125 °C	•	0.61	
MAXIMUM REVERSE CURRENT (I _r @ 45V PIV)			
T _J = 25 °C	l _r	4.5	mA
T _J = 125 °C		210	

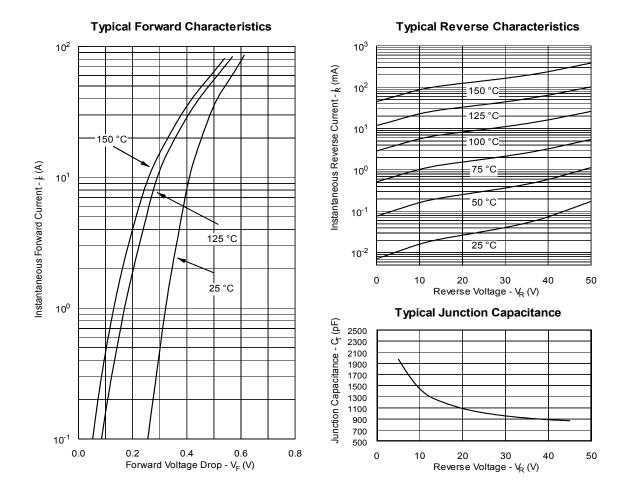


MECHANICAL DIMENSIONS: In Inches / mm

PINOUT TABLE

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

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Note: The above Vf characteristics are for die on

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