SENSITRON SEMICONDUCTOR

TECHNICAL DATA DATA SHEET 4088, REV. B.1

HERMETIC POWER SCHOTTKY RECTIFIER Ultra Low Reverse Leakage

DESCRIPTION: A 100 VOLT, 15 AMP, POWER SCHOTTKY RECTIFIER IN A HERMETIC SMD-0.5 PACKAGE.

MAXIMUM RATINGS ALL F	I RATINGS ALL RATINGS ARE $@ T_c = 25 \text{ °C}$ UNLESS OTHERWISE SPECIFIED.			
RATING		SYMBOL	MAX.	UNITS
PEAK INVERSE VOLTAGE		PIV	100	Volts
MAXIMUM DC OUTPUT CURRENT	(@ T _C =100 ^O C)	Ι _ο	15	Amps
MAXIMUM NONREPETITIVE FORWARD SURGE CURRENT (t = 8.3ms, Sine)		I _{FSM}	200	Amps
	/, T _J , = 25°C, MHz, V _{SIG} = 50mV P-P))	Cτ	600	pF
MAXIMUM THERMAL RESISTANCE	(Junction to Case)	$R_{ ext{ heta}JC}$	2.65	°C/W
Weight (typical)			1	g
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 $(I_f = 15 \text{ Amps})$			
T _J = 25 °C	V _f	0.90	Volts
T _J = 125 °C		0.72	
MAXIMUM REVERSE CURRENT (Ir @ 100 V PIV)			
T _J = 25 °C	I _r	0.05	mA
T _J = 125 °C		10	

PINOUT TABLE

DEVICE TYPE	PIN 1	PIN 2	PIN 3
SINGLE RECTIFIER	CATHODE	ANODE	ANODE

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MECHANICAL DIMENSIONS: IN Inches / mm

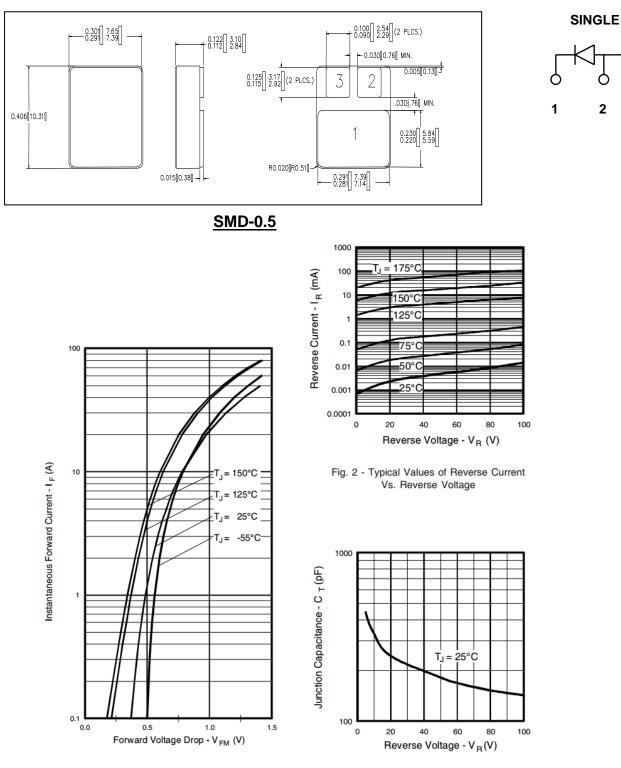
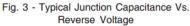


Fig. 1 - Max. Forward Voltage Drop Characteristics Fig.



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