

TECHNICAL DATA
DATA SHEET 1190, REV. B**HERMETIC POWER SCHOTTKY RECTIFIER**

DESCRIPTION: A 60-VOLT, 30 AMP, POWER SCHOTTKY RECTIFIER IN A CERAMIC HERMETIC LCC-5 PACKAGE.

MAXIMUM RATINGSALL RATINGS ARE @ $T_c = 25^\circ\text{C}$ UNLESS OTHERWISE SPECIFIED.

RATING	SYMBOL	MAX.	UNITS
PEAK INVERSE VOLTAGE	PIV	60	Volts
MAXIMUM DC OUTPUT CURRENT (With Cathode Maintained @ $T_c=77^\circ\text{C}$, 50% duty cycle)	I_o	30	Amps
MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT ($t = 8.3\text{ms}$, Sine) per leg	I_{FSM}	120	Amps
MAXIMUM JUNCTION CAPACITANCE ($V_r=5\text{V}$) per leg (TYP)	C_T	400	pF
MAXIMUM THERMAL RESISTANCE, Junction to Case (PER LEG)	$R_{\theta JC}$	5.0	$^\circ\text{C/W}$
MAXIMUM OPERATING TEMPERATURE RANGE	Top	-55 to + 150	$^\circ\text{C}$
MAXIMUM STORAGE TEMPERATURE RANGE	Tstg	-55 to + 150	$^\circ\text{C}$

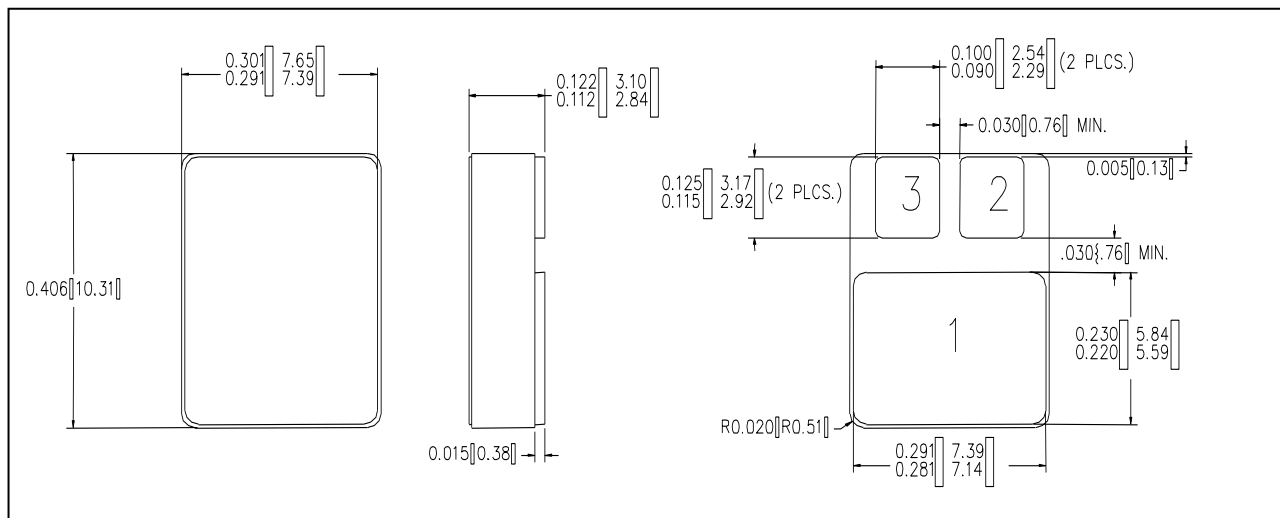
ELECTRICAL CHARACTERISTICS

CHARACTERISTIC	SYMBOL	MAX.	UNITS
MAXIMUM FORWARD VOLTAGE DROP, Pulsed ($I_f = 15\text{ Amps}$) (PER LEG) $T_J = 25^\circ\text{C}$ $T_J = 125^\circ\text{C}$	V_f	1.00 0.88	Volts
MAXIMUM REVERSE CURRENT ($I_r @ 60\text{V PIV}$) (PER LEG) $T_J = 25^\circ\text{C}$ $T_J = 125^\circ\text{C}$	I_r	0.2 15	mA

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MECHANICAL DIMENSIONS: IN Inches / mm

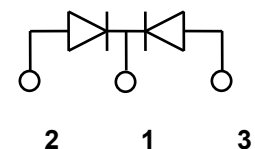
LCC-5

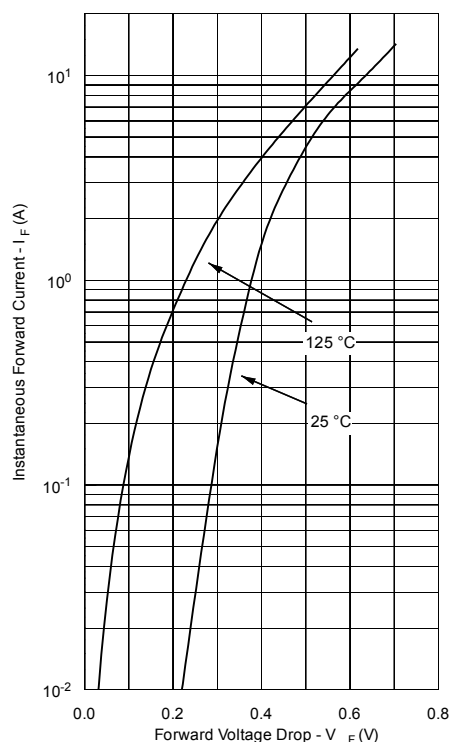
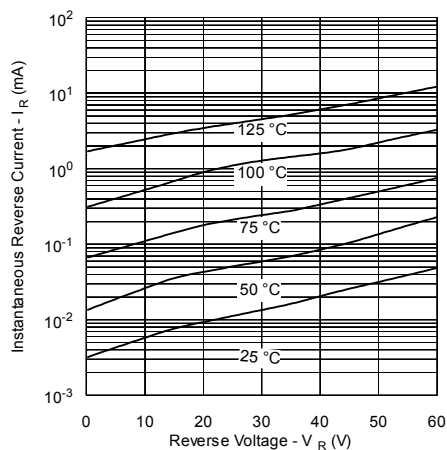
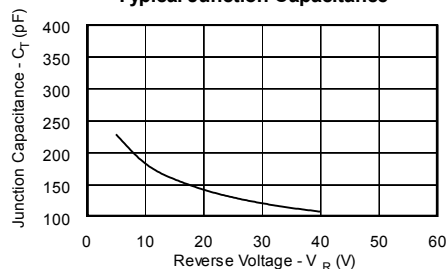


PINOUT TABLE

DEVICE TYPE	PIN 1	PIN 2	PIN 3
DUAL RECTIFIER, COMMON CATHODE (P)	CATHODE	ANODE	ANODE

COMMON CATHODE



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DATA SHEET 1190, REV. B**Typical Forward Characteristics****Typical Reverse Characteristics****Typical Junction Capacitance****DISCLAIMER:**

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