

TECHNICAL DATA
DATA SHEET 1190, REV. -

HERMETIC POWER SCHOTTKY RECTIFIER

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

MAXIMUM RATINGS

ALL RATINGS ARE @ $T_C = 25\text{ }^\circ\text{C}$ UNLESS OTHERWISE SPECIFIED.

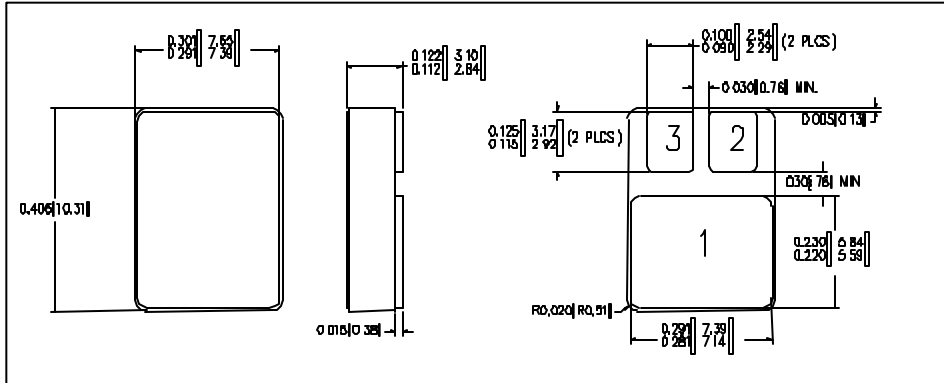
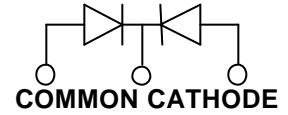
RATING	SYMBOL	MAX.	UNITS
PEAK INVERSE VOLTAGE	PIV	60	Volts
MAXIMUM DC OUTPUT CURRENT (With Cathode Maintained @ $T_C=77\text{ }^\circ\text{C}$, 50% duty cycle)	I_o	30	Amps
MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT (t = 8.3ms, Sine) per leg	I_{FSM}	120	Amps
MAXIMUM JUNCTION CAPACITANCE ($V_r = 5\text{V}$) per leg (TYP)	C_T	400	pF
MAXIMUM THERMAL RESISTANCE, Junction to Case (PER PACKAGE)	$R_{\theta JC}$	1.75	$^\circ\text{C/W}$
MAXIMUM OPERATING TEMPERATURE RANGE	T_{op}	-55 to + 150	$^\circ\text{C}$
MAXIMUM STORAGE TEMPERATURE RANGE	T_{stg}	-55 to + 150	$^\circ\text{C}$

ELECTRICAL CHARACTERISTICS

CHARACTERISTIC	SYMBOL	MAX.	UNITS
MAXIMUM FORWARD VOLTAGE DROP, Pulsed ($I_f = 15\text{ Amps}$) (PER LEG) $T_J = 25\text{ }^\circ\text{C}$ $T_J = 125\text{ }^\circ\text{C}$	V_f	0.90 0.78	Volts
MAXIMUM REVERSE CURRENT ($I_r @ 30\text{V PIV}$) (PER LEG) $T_J = 25\text{ }^\circ\text{C}$ $T_J = 125\text{ }^\circ\text{C}$	I_r	0.2 15	mA

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MECHANICAL DIMENSIONS: IN Inches / mm



2 1 3

LCC-5

PINOUT TABLE

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

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