

TECHNICAL DATA
 DATA SHEET 4071, REV. -

HERMETIC POWER SCHOTTKY RECTIFIER

Very Low Voltage Drop

DESCRIPTION: 45 VOLT, 6 AMP POWER SCHOTTKY RECTIFIER IN LCC-5 PACKAGE

MAXIMUM RATINGS

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

RATING / CONDITION	SYMBOL	MAX.	UNITS
PEAK INVERSE VOLTAGE (PER LEG)	PIV	45	Volts
MAXIMUM AVERAGE OUTPUT CURRENT (With Cathode Maintained @ $T_C=100^\circ\text{C}$) RECTANGULAR WAVEFORM	I_o	6	Amps
MAXIMUM NONREPETITIVE FORWARD SURGE CURRENT (PER LEG) ($t=8.3\text{ms}$, Sine)	I_{FSM}	60	Amps
MAXIMUM JUNCTION CAPACITANCE (PER LEG) ($V_r=5\text{V}$)	C_T	160	pF
MAXIMUM THERMAL RESISTANCE (Junction to Mounting Surface, Cathode)	$R_{\theta JC}$	1.9	$^\circ\text{C/W}$
MAXIMUM OPERATING AND STORAGE TEMPERATURE RANGE	Top/Tstg	-65 to +150	$^\circ\text{C}$

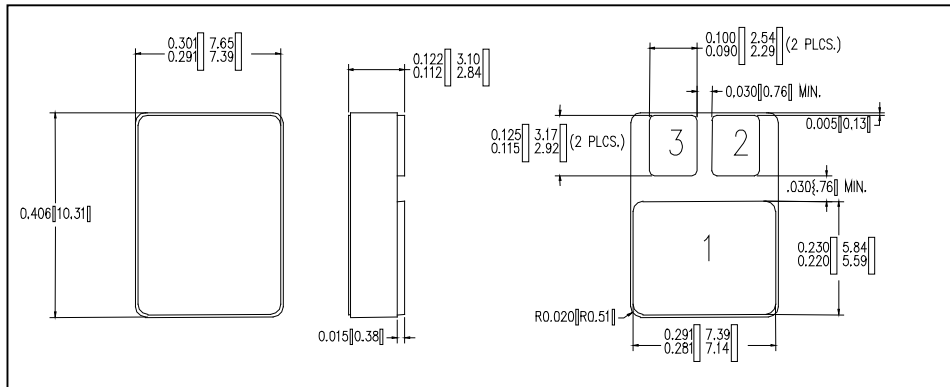
ELECTRICAL CHARACTERISTICS

CHARACTERISTIC			
MAXIMUM FORWARD VOLTAGE DROP, Pulsed ($I_f = 3.0$ Amps) PER LEG $T_J = 25^\circ\text{C}$ $T_J = 125^\circ\text{C}$	V_f	0.57 0.52	Volts
MAXIMUM REVERSE CURRENT (I_r @ 45V PIV) $T_J = 25^\circ\text{C}$ $T_J = 125^\circ\text{C}$	I_r	0.3 14	mA

SENSITRON

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Mechanical Dimensions: in Inches / mm

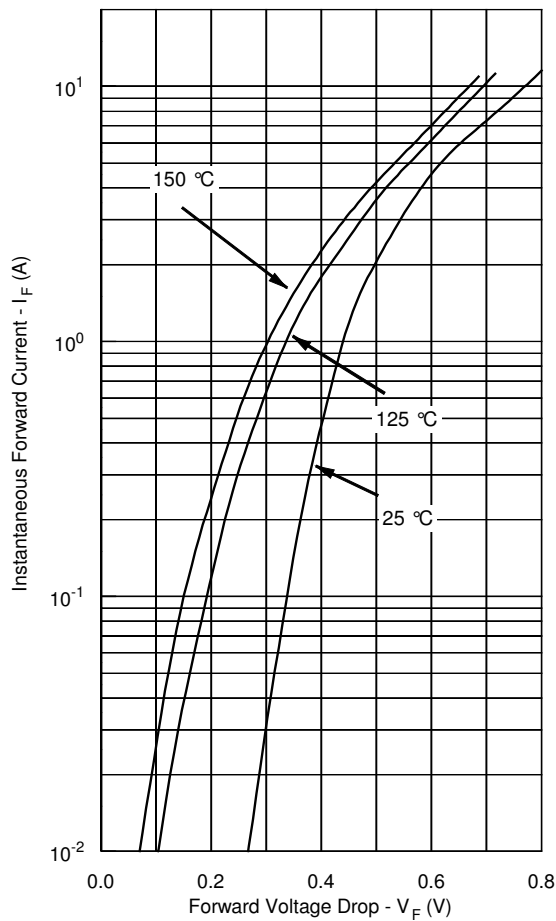


LCC-5

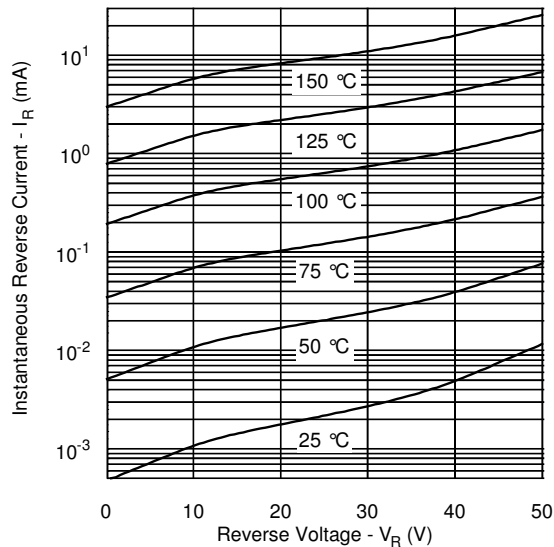
PINOUT TABLE

DEVICE TYPE	PIN 1	PIN 2	PIN 3
DUAL RECTIFIER	COMMON CATHODE	ANODE	ANODE

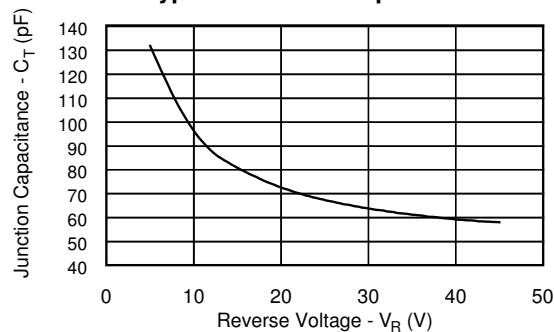
Typical Forward Characteristics



Typical Reverse Characteristics



Typical Junction Capacitance



TECHNICAL DATA

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