TECHNICAL DATA
DATA SHEET 679, REV. -

HERMETIC POWER SCHOTTKY RECTIFIER

DESCRIPTION: A 30 VOLT, 15 AMP, POWER SCHOTTKY RECTIFIER IN A HERMETIC LCC-5 PACKAGE.

MAXIMUM RATINGS ALL RATINGS ARE @ T_C = 25 °C UNLESS OTHERWISE SPECIFIED.

RATING	SYMBOL	MAX.	UNITS
PEAK INVERSE VOLTAGE	PIV	30	Volts
MAXIMUM DC OUTPUT CURRENT (@ T_C=100 °C)	I_O	15	Amps
MAXIMUM NONREPETITIVE FORWARD SURGE CURRENT (t=8.3ms, Sine)	I_{FSM}	150	Amps
MAXIMUM JUNCTION CAPACITANCE (V_r =5V)	C_T	1100	pF
MAXIMUM THERMAL RESISTANCE (Junction to Mounting Surface, Cathode)	$R_{\theta JC}$	1.6	°C/W
MAXIMUM OPERATING AND STORAGE TEMPERATURE RANGE	Top/Tstg	-65 to + 150	°C

ELECTRICAL CHARACTERISTICS

CHARACTERISTIC			
MAXIMUM FORWARD VOLTAGE DROP, Pulsed (I_f = 15 Amps)			
T_J = 25 °C	V_f	0.58	Volts
T_J = 125 °C		0.48	
MAXIMUM REVERSE CURRENT (I_r @ 30 V PIV)			
T_J = 25 °C	I_r	2.0	mA
T_J = 125 °C		100	

Note: V_F Curves are shown for die only.

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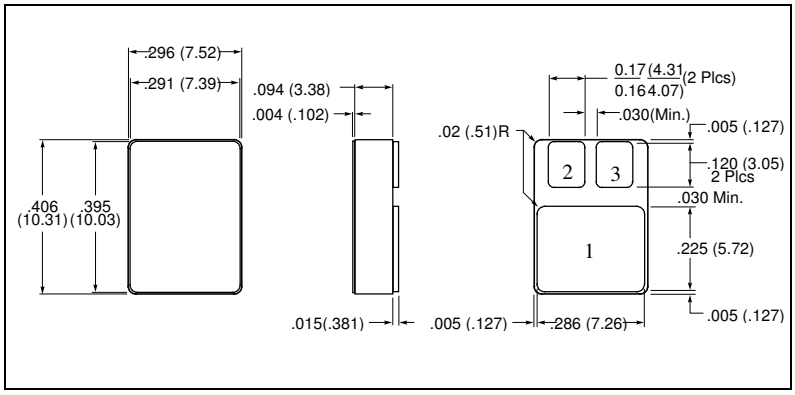
MECHANICAL DIMENSIONS: IN Inches / mm

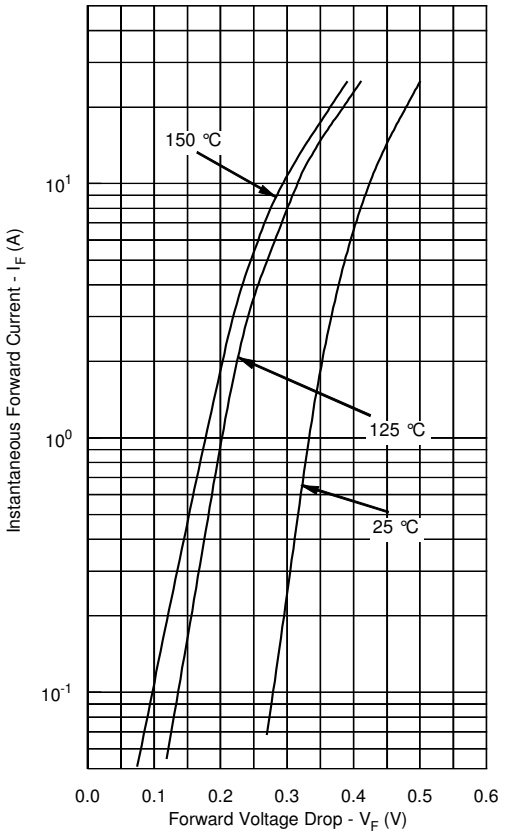


LCC-5

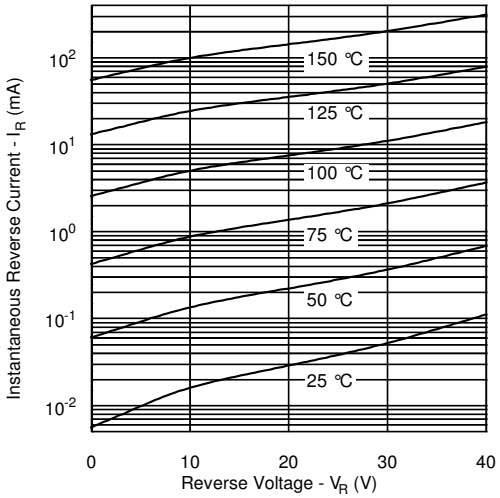
PINOUT TABLE

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

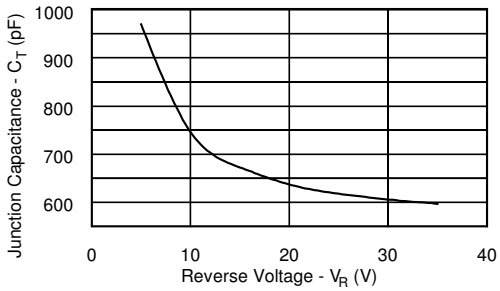
Typical Forward Characteristics



Typical Reverse Characteristics



Typical Junction Capacitance



TECHNICAL DATA

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