

TECHNICAL DATA  
DATA SHEET 299, REV.

## HERMETIC POWER SCHOTTKY RECTIFIER Ultra Low Reverse Leakage

**DESCRIPTION:** A 100 VOLT, 6 AMP, DUAL HERMETIC POWER SCHOTTKY RECTIFIER IN A LCC-5 PACKAGE.

### MAXIMUM RATINGS

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

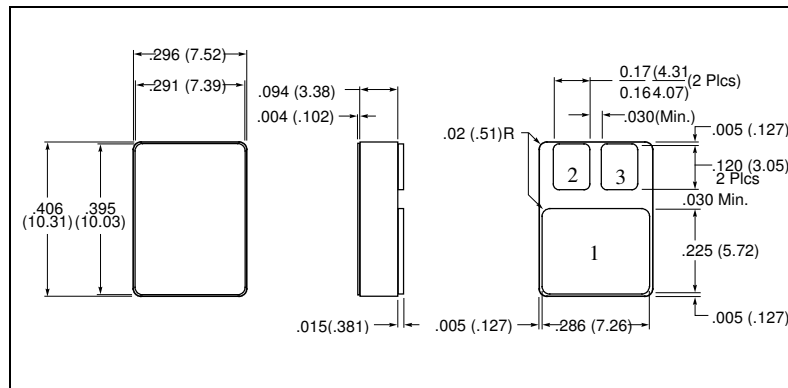
RATING	SYMBOL	MAX.	UNITS
PEAK INVERSE VOLTAGE	PIV	100	Volts
MAXIMUM DC OUTPUT CURRENT (@ $T_C=100^\circ\text{C}$ )	$I_o$	6.0	Amps
MAXIMUM NONREPETITIVE FORWARD SURGE CURRENT (t=10ms, Sine)	$I_{FSM}$	48	Amps
MAXIMUM JUNCTION CAPACITANCE ( $V_r=5\text{V}$ )	$C_T$	100	pF
MAXIMUM THERMAL RESISTANCE (Junction to Mounting Surface, Cathode)	$R\theta_{JC}$	3.5	$^\circ\text{C/W}$
MAXIMUM OPERATING AND STORAGE TEMPERATURE RANGE	Top/Tstg	-65 to +175	$^\circ\text{C}$

### ELECTRICAL CHARACTERISTICS

CHARACTERISTIC			
MAXIMUM FORWARD VOLTAGE DROP, Pulsed ( $I_f = 6.0$ Amps)			
$T_J = 25^\circ\text{C}$	$V_f$	0.94	Volts
$T_J = 125^\circ\text{C}$		0.78	
MAXIMUM REVERSE CURRENT ( $I_r @ 100$ V PIV)			
$T_J = 25^\circ\text{C}$	$I_r$	.07	mA
$T_J = 125^\circ\text{C}$		1.6	

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**MECHANICAL DIMENSIONS: IN Inches / mm**

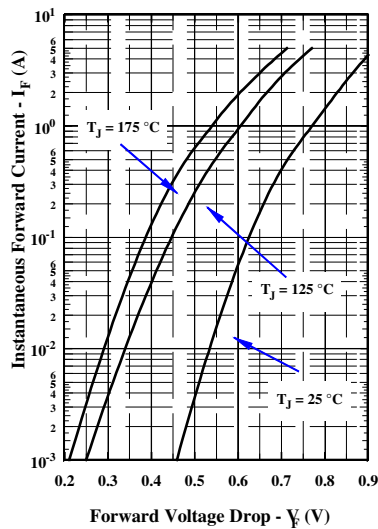


**LCC-5**

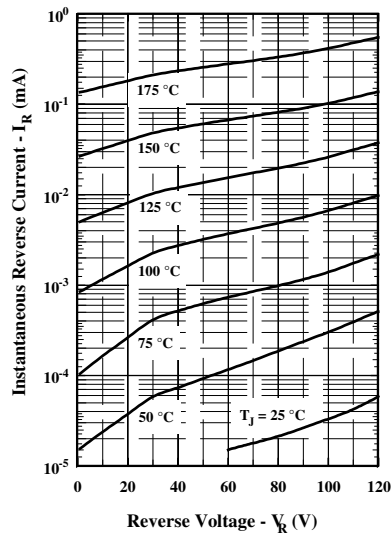
**PINOUT TABLE**

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

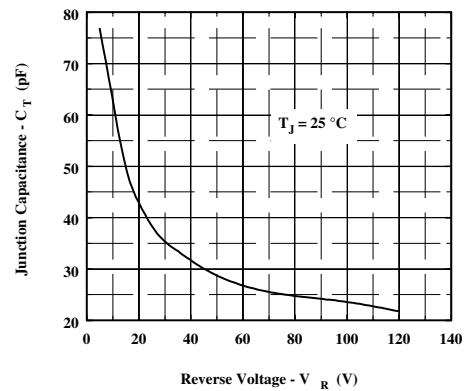
**Typical Forward Characteristics**



**Typical Reverse Characteristics**



**Typical Junction Capacitance**



**TECHNICAL DATA**

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