

TECHNICAL DATA
DATA SHEET 4629, REV.-

HERMETIC POWER SCHOTTKY RECTIFIER
(SINGLE / DUAL)

DESCRIPTION: A 30 VOLT, 45 AMP, POWER SCHOTTKY RECTIFIER IN A HERMETIC LCC-3P PACKAGE.

MAXIMUM RATINGS

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

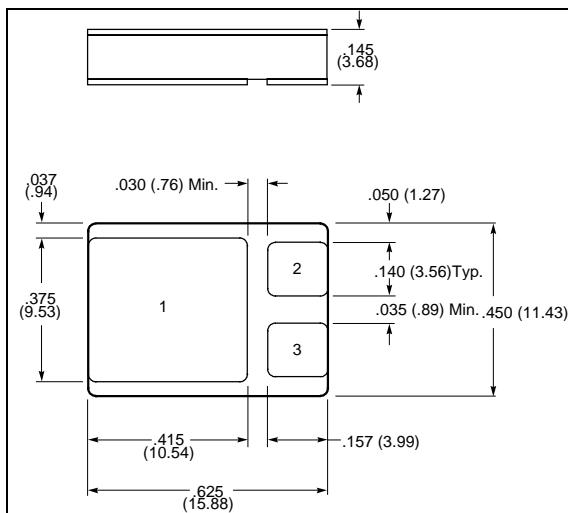
RATING	SYMBOL	MAX.	UNITS
PEAK INVERSE VOLTAGE	PIV	30	Volts
MAXIMUM DC OUTPUT CURRENT With Cathode Maintained (@ $T_C=70^\circ\text{C}$) (Single)	I_O	45	Amps
MAXIMUM NONREPETITIVE FORWARD SURGE CURRENT ($t = 8.3\text{ms}$, Sine)	I_{FSM}	200	Amps
MAXIMUM JUNCTION CAPACITANCE ($V_r=5\text{V}$)	C_T	3300	pF
MAXIMUM THERMAL RESISTANCE	$R_{\theta JC}$	0.47	$^\circ\text{C}/\text{W}$
MAXIMUM OPERATING AND STORAGE TEMPERATURE RANGE	Top/Tstg	-65 to + 150	$^\circ\text{C}$

ELECTRICAL CHARACTERISTICS

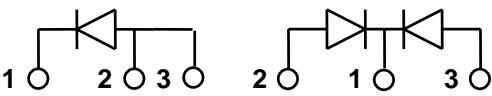
CHARACTERISTIC				
MAXIMUM FORWARD VOLTAGE DROP, Pulsed ($I_f = 45$ Amps)				
	$T_J = 25^\circ\text{C}$	V_f	0.63	Volts
	$T_J = 100^\circ\text{C}$		0.52	
MAXIMUM REVERSE CURRENT (I_r @ 30 V PIV)				
	$T_J = 25^\circ\text{C}$	I_r	6	mA
	$T_J = 125^\circ\text{C}$		300	

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MECHANICAL DIMENSIONS: IN Inches / mm



SINGLE COMMON CATHODE

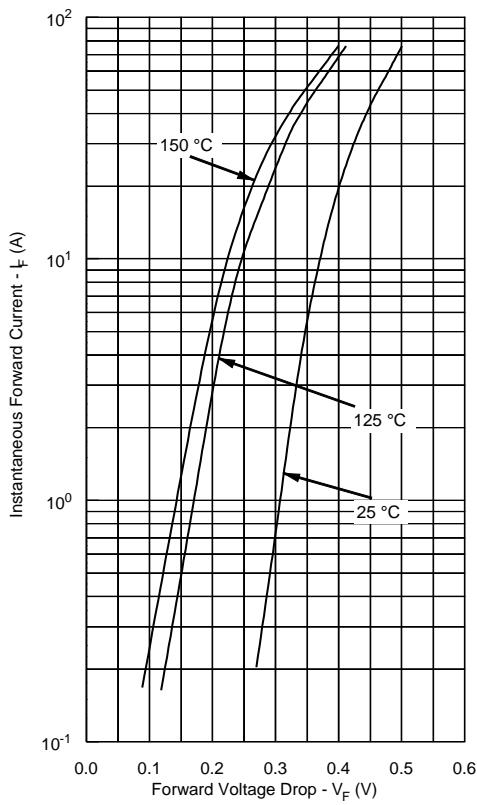


LCC-3P

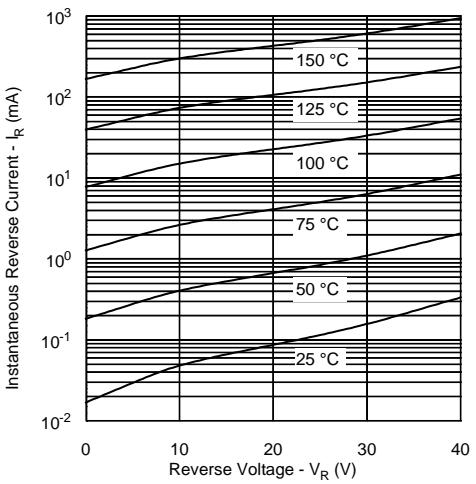
PINOUT TABLE

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

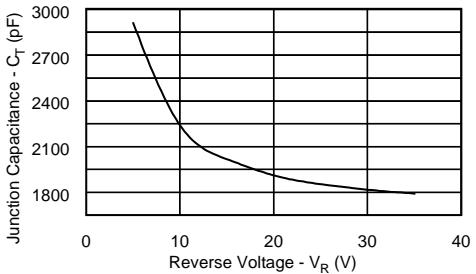
Typical Forward Characteristics



Typical Reverse Characteristics



Typical Junction Capacitance



TECHNICAL DATA

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