

**TECHNICAL DATA**  
**DATA SHEET 4626, REV.-**

**HERMETIC POWER SCHOTTKY RECTIFIER**  
(SINGLE / DUAL)

**DESCRIPTION:** A 100 VOLT, 30 AMP, POWER SCHOTTKY RECTIFIER IN A HERMETIC LCC-3P PACKAGE.

**MAXIMUM RATINGS**

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

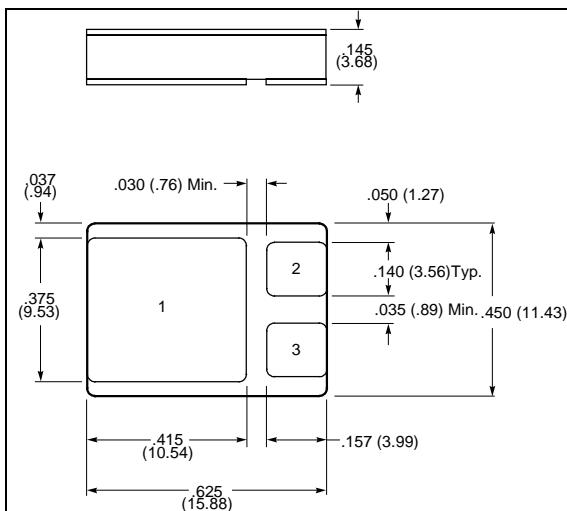
RATING	SYMBOL	MAX.	UNITS
PEAK INVERSE VOLTAGE	PIV	100	Volts
MAXIMUM DC OUTPUT CURRENT With Cathode Maintained (@ $T_C=100^\circ\text{C}$ ) (Single)	$I_O$	30	Amps
MAXIMUM NONREPETITIVE FORWARD SURGE CURRENT ( $t = 8.3\text{ms}$ , Sine)	$I_{FSM}$	200	Amps
MAXIMUM JUNCTION CAPACITANCE ( $V_r=5\text{V}$ )	$C_T$	1000	pF
MAXIMUM THERMAL RESISTANCE	$R_{\theta JC}$	0.61	$^\circ\text{C}/\text{W}$
MAXIMUM OPERATING AND STORAGE TEMPERATURE RANGE	Top/Tstg	-65 to + 200	$^\circ\text{C}$

**ELECTRICAL CHARACTERISTICS**

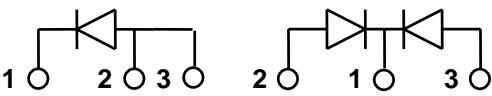
CHARACTERISTIC				
MAXIMUM FORWARD VOLTAGE DROP, Pulsed ( $I_f = 30$ Amps)				
	$T_J = 25^\circ\text{C}$	$V_f$	0.93	Volts
	$T_J = 125^\circ\text{C}$		0.77	
MAXIMUM REVERSE CURRENT ( $I_r$ @ 100 V PIV)				
	$T_J = 25^\circ\text{C}$	$I_r$	0.75	mA
	$T_J = 125^\circ\text{C}$		15	

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**MECHANICAL DIMENSIONS: IN Inches / mm**



**SINGLE COMMON CATHODE**

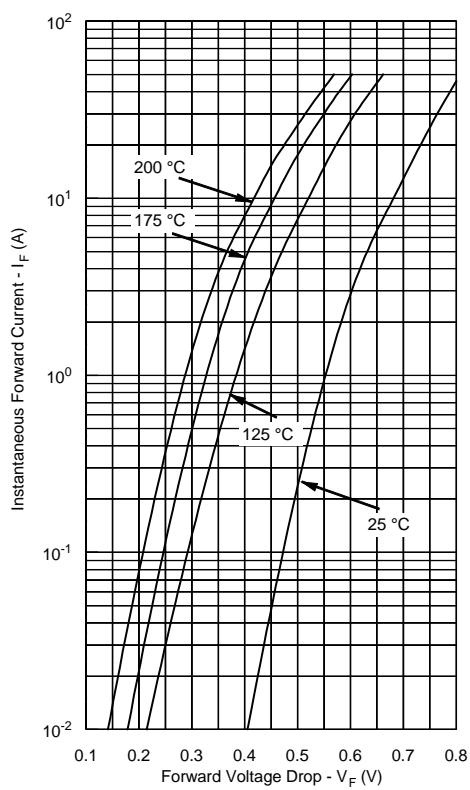


**LCC-3P**

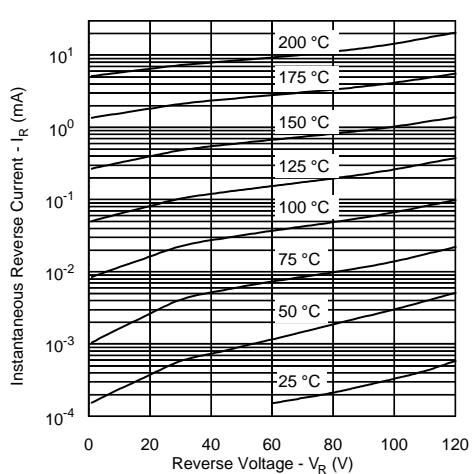
**PINOUT TABLE**

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

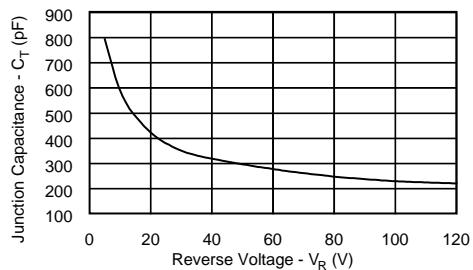
**Typical Forward Characteristics**



**Typical Reverse Characteristics**



**Typical Junction Capacitance**



**TECHNICAL DATA**

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