

TECHNICAL DATA DATA SHEET 4622, REV.-

## HERMETIC POWER SCHOTTKY RECTIFIER

(SINGLE / DUAL)

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

#### **MAXIMUM RATINGS**

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

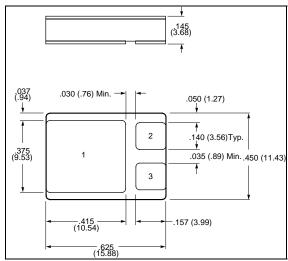
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RATING	SYMBOL	MAX.	UNITS
PEAK INVERSE VOLTAGE	PIV	45	Volts
MAXIMUM DC OUTPUT CURRENT With Cathode Maintained (@ $T_C$ =100 $^{\circ}$ C) (Single)	Io	30	Amps
MAXIMUM NONREPETITIVE FORWARD SURGE CURRENT (t = 8.3ms, Sine)	I <sub>FSM</sub>	200	Amps
MAXIMUM JUNCTION CAPACITANCE (V <sub>r</sub> =5V)	C <sub>T</sub>	1600	pF
MAXIMUM THERMAL RESISTANCE	R <sub>eJC</sub>	0.61	°C/W
MAXIMUM OPERATING AND STORAGE TEMPERATURE RANGE	Top/Tstg	-65 to + 150	°C

## **ELECTRICAL CHARACTERISTICS**

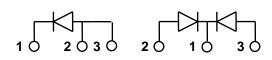
CHARACTERISTIC			
MAXIMUM FORWARD VOLTAGE DROP, Pulsed (I <sub>f</sub> = 30 Amps)			
T <sub>J</sub> = 25 °C	$V_{f}$	0.65	Volts
T <sub>J</sub> = 125 °C		0.60	
MAXIMUM REVERSE CURRENT (I <sub>r</sub> @ 45 V PIV)			
T <sub>J</sub> = 25 °C	l <sub>r</sub>	3	mA
T <sub>J</sub> = 125 °C		140	

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### **MECHANICAL DIMENSIONS: IN Inches / mm**



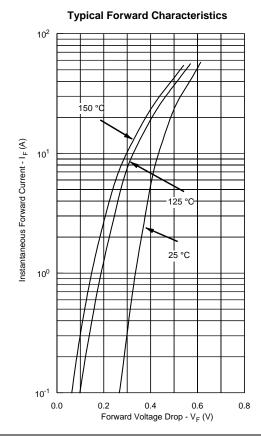




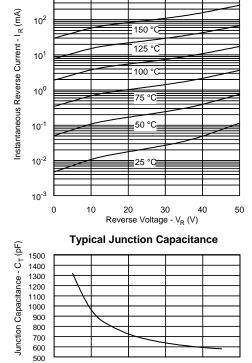
LCC-3P

## **PINOUT TABLE**

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



# Typical Reverse Characteristics



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Reverse Voltage - V<sub>R</sub> (V)

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#### **TECHNICAL DATA**

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