

TECHNICAL DATA DATA SHEET 4624, REV.-

HERMETIC POWER SCHOTTKY RECTIFIER

(SINGLE / DUAL)

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

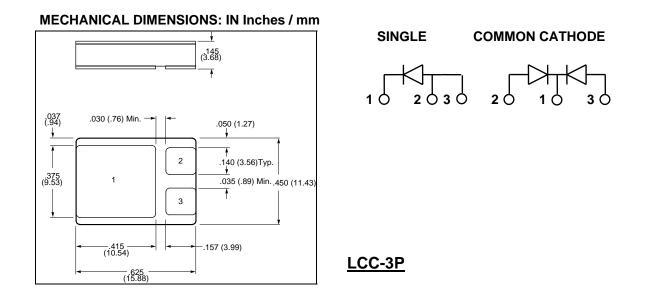
MAXIMUM RATINGS ALL RATINGS ARE @ $T_c = 25 \ ^{\circ}C$ UNLESS OTHERWISE SPECIFIED. RATING UNITS SYMBOL MAX. PEAK INVERSE VOLTAGE PIV 45 Volts MAXIMUM DC OUTPUT CURRENT With Cathode Maintained (@ $T_c=100$ °C) 30 Amps I_0 (Single) MAXIMUM NONREPETITIVE FORWARD SURGE CURRENT 200 Amps **I**FSM (t = 8.3 ms, Sine)MAXIMUM JUNCTION CAPACITANCE pF $(V_r = 5V)$ Ст 1600 MAXIMUM THERMAL RESISTANCE 0.61 °C/W R_{AIC} MAXIMUM OPERATING AND STORAGE TEMPERATURE RANGE Top/Tstg -65 to °C + 175

ELECTRICAL CHARACTERISTICS

CHARACTERISTIC			
MAXIMUM FORWARD VOLTAGE DROP, Pulsed $(I_f = 30 \text{ Amps})$			
T _J = 25 °C	V _f	0.73	Volts
T _J = 125 °C		0.66	
MAXIMUM REVERSE CURRENT (I _r @ 45 V PIV)			
T _J = 25 °C	l _r	0.8	mA
T _J = 125 °C		30	

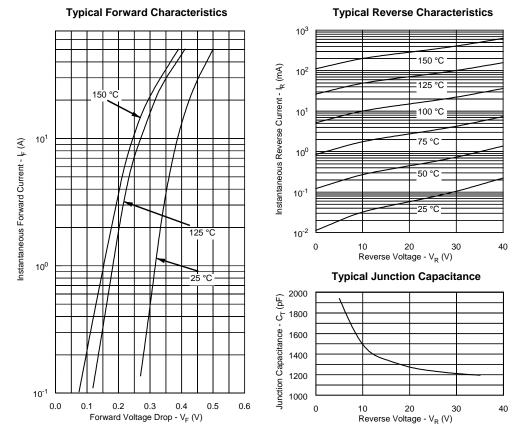
<u>SENSITRON</u> SEMICONDUCTOR

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PINOUT TABLE

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



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TECHNICAL DATA

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