

TECHNICAL DATA
DATA SHEET 983, REV. -

HERMETIC POWER SCHOTTKY RECTIFIER

Very Low Forward Voltage Drop

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

MAXIMUM RATINGS

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

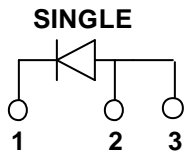
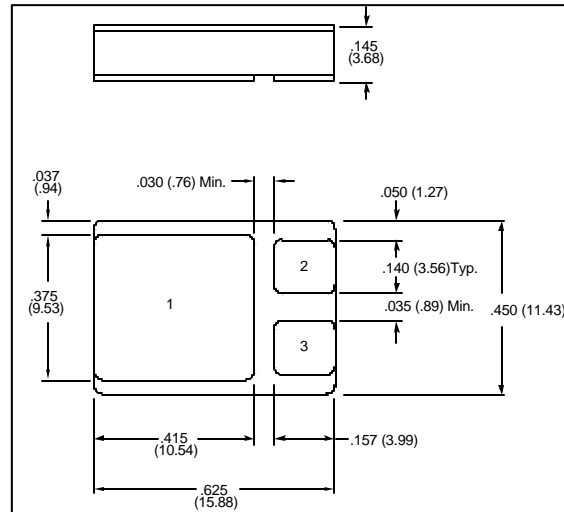
RATING	SYMBOL	MAX.	UNITS
PEAK INVERSE VOLTAGE	PIV	45	Volts
MAXIMUM DC OUTPUT CURRENT (With Cathode Maintained @ $T_C=100^\circ\text{C}$)	I_O	45	Amps
MAXIMUM NONREPETITIVE FORWARD SURGE CURRENT ($t = 8.3\text{ms}$, Sine)	I_{FSM}	200	Amps
MAXIMUM JUNCTION CAPACITANCE ($V_r = 5\text{V}$)	C_T	2400	pF
MAXIMUM THERMAL RESISTANCE	$R_{\theta JC}$	0.47	$^\circ\text{C/W}$
MAXIMUM OPERATING AND STORAGE TEMPERATURE RANGE	Top/Tstg	-65 to + 150	$^\circ\text{C}$

ELECTRICAL CHARACTERISTICS

CHARACTERISTIC	SYMBOL	MAX.	UNITS
MAXIMUM FORWARD VOLTAGE DROP, Pulsed ($I_f = 45\text{ Amps}$) $T_J = 25^\circ\text{C}$ $T_J = 125^\circ\text{C}$	V_f	0.66 0.57	Volts
MAXIMUM REVERSE CURRENT (I_r @ 45V PIV) $T_J = 25^\circ\text{C}$ $T_J = 125^\circ\text{C}$	I_r	4.5 210	mA

SENSITRON

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**MECHANICAL DIMENSIONS: In Inches / mm****LCC-3P****PINOUT TABLE**

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

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