

TECHNICAL DATA
DATA SHEET 1002, REV. A**HERMETIC POWER SCHOTTKY RECTIFIER****Features:**

- Very Low Forward Voltage Drop
- Low Power Loss, High Efficiency

MAXIMUM RATINGSALL RATINGS ARE AT $T_A = 25\text{ C}$ UNLESS OTHERWISE SPECIFIED

RATING	SYMBOL	MAX.	UNITS
PEAK INVERSE VOLTAGE	PIV	30	Volts
MAXIMUM DC OUTPUT CURRENT @ $T_C=100\text{ }^\circ\text{C}$	I_O	16	Amps
PEAK SINGLE CYCLE SURGE CURRENT $t_p = 8.3\text{ msec}$	I_{FSM}	75	Amps
MAXIMUM JUNCTION CAPACITANCE	C_T	2200	pF
MAXIMUM THERMAL RESISTANCE (per diode)	$R_{\theta JC}$	1.5	$^\circ\text{C/W}$
MAXIMUM OPERATING TEMPERATURE	$T_{J,op}$	-65 to + 150	$^\circ\text{C}$
MAXIMUM STORAGE TEMPERATURE	$T_{J, stg}$	-65 to + 175	$^\circ\text{C}$

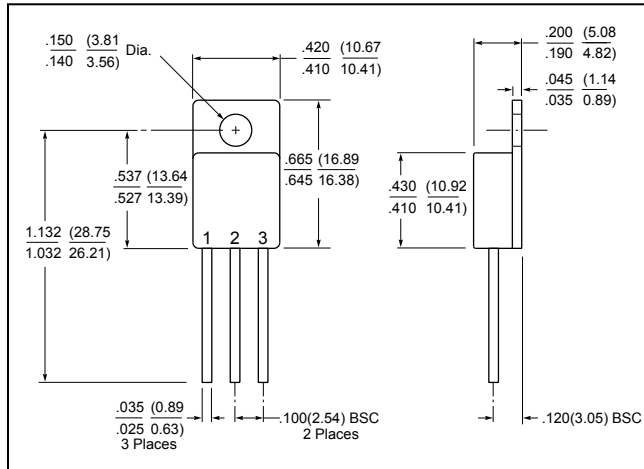
ELECTRICAL CHARACTERISTICS

CHARACTERISTIC	SYMBOL	MAX.	UNITS
MAXIMUM PEAK FORWARD VOLTAGE DROP (PER LEG) ($I_f = 16\text{ AMPS}$) $T_A = 25^\circ\text{C}$ $T_A = 125^\circ\text{C}$	V_f	0.55 0.43	Volts
MAXIMUM REVERSE CURRENT I_{rr} @ PIV (PER LEG) $T_A = 25^\circ\text{C}$ $T_A = 125^\circ\text{C}$	I_{rr}	4.0 200	mA

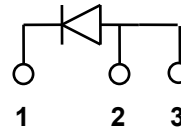
SENSITRON

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Mechanical Dimensions: In Inches / mm



SINGLE



TO-257

PINOUT TABLE

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

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