

TECHNICAL DATA
DATASHEET 4744, REV. B**HERMETIC POWER SCHOTTKY RECTIFIER**
175°C Maximum Operation Temperature**DESCRIPTION:** A 15-VOLT, 35 AMP, POWER SCHOTTKY RECTIFIER IN A HERMETIC TO-254 PACKAGE.**MAXIMUM RATINGS**ALL RATINGS ARE @ $T_C = 25\text{ }^\circ\text{C}$ UNLESS OTHERWISE SPECIFIED.

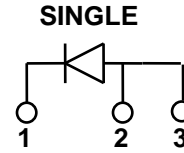
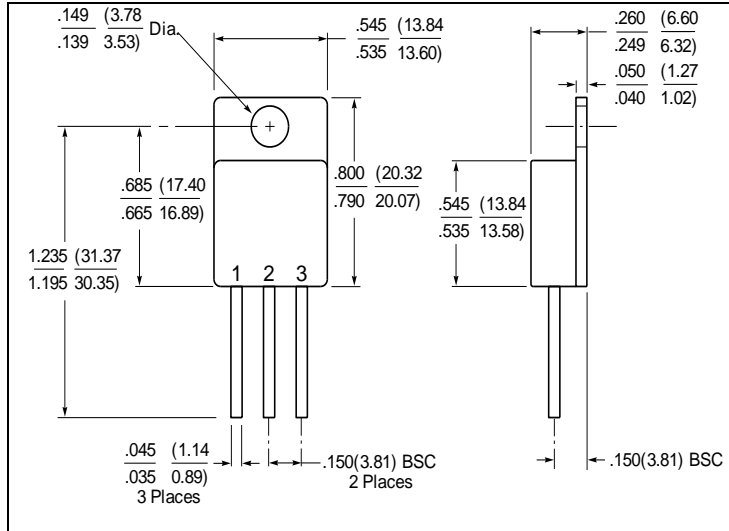
RATING	SYMBOL	MAX.	UNITS
PEAK INVERSE VOLTAGE	PIV	15	Volts
MAXIMUM DC OUTPUT CURRENT (@ $T_C=70\text{ }^\circ\text{C}$) (Single, Doubler)	I_O	35	Amps
MAXIMUM NONREPETITIVE FORWARD SURGE CURRENT ($t=8.3\text{ms}$, Sine)	I_{FSM}	150	Amps
MAXIMUM JUNCTION CAPACITANCE ($V_r=5\text{V}$)	C_T	7200	pF
MAXIMUM THERMAL RESISTANCE (Per leg)	$R_{\theta JC}$	0.62	$^\circ\text{C/W}$
MAXIMUM OPERATING TEMPERATURE RANGE	Top/Tstg	-65 to +175	$^\circ\text{C}$
MAXIMUM STORAGE TEMPERATURE RANGE	Top/Tstg	-65 to +175	$^\circ\text{C}$

ELECTRICAL CHARACTERISTICS

CHARACTERISTIC	SYMBOL	MAX.	UNITS
MAXIMUM FORWARD VOLTAGE DROP, Pulsed ($I_f = 35\text{ Amps}$) $T_J = 25\text{ }^\circ\text{C}$ $T_J = 75\text{ }^\circ\text{C}$	V_f	0.50 0.45	Volts
MAXIMUM REVERSE CURRENT (I_r @ 15 V PIV) $T_J = 25\text{ }^\circ\text{C}$ $T_J = 100\text{ }^\circ\text{C}$	I_r	40 2000	mA

SENSITRON
TECHNICAL DATA
DATASHEET 4744, REV. B

Mechanical Dimensions: In inches / mm



TO-254

PINOUT TABLE

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

Curves shown are for bare die only.

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