

TECHNICAL DATA
DATA SHEET 151, REV H
Formerly Part Number SHD3262/P/N/D

HERMETIC DUAL ULTRAFAST RECTIFIER

DESCRIPTION: A 200 VOLT, 16 AMP, 30 NANOSECOND, RECTIFIER IN A HERMETIC TO-257 PACKAGE.
Ceramic Seals available (Add a "C" to the part number, i.e. SHDC326211)

MAXIMUM RATINGS

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

RATING	SYMBOL	MAX.	UNITS
PEAK INVERSE VOLTAGE (PER LEG)	PIV	200	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}	140	Amps
MAXIMUM THERMAL RESISTANCE (PER LEG)	$R_{\theta JC}$	2.8	$^\circ\text{C/W}$
MAXIMUM OPERATING AND STORAGE TEMPERATURE RANGE	$T_{op/stg}$	-65to +175	$^\circ\text{C}$

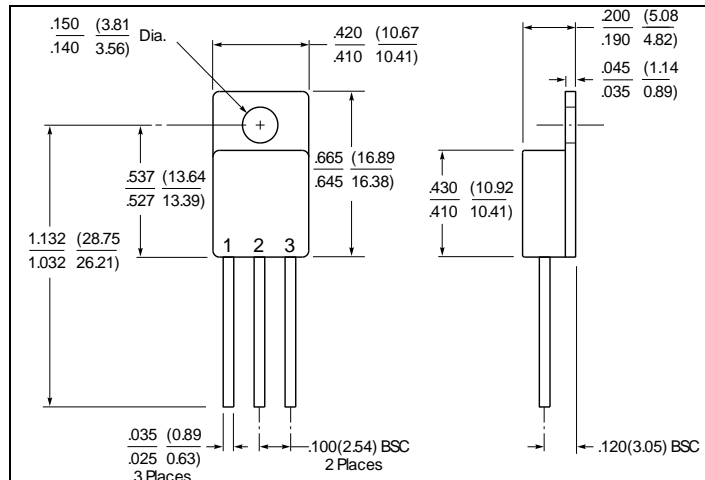
ELECTRICAL CHARACTERISTICS

CHARACTERISTIC	SYMBOL	MAX.	UNITS
MAXIMUM FORWARD VOLTAGE DROP @ $T_A = 25\text{ }^\circ\text{C}$ (PER LEG) $I_f = 10\text{ Amps}$ $I_f = 16\text{ Amps}$	V_f	1.0 1.1	Volts
MAXIMUM FORWARD VOLTAGE DROP @ $I_f = 16\text{ Amps}$ $T_A = 125\text{ }^\circ\text{C}$ (PER LEG) $T_A = -55\text{ }^\circ\text{C}$ (PER LEG)	V_f	1.0 1.3	Volts
MAXIMUM REVERSE CURRENT I_{rr} @ PIV (PER LEG) @ $T_A = 25\text{ }^\circ\text{C}$	I_{rr}	25	μA
MAXIMUM REVERSE CURRENT I_{rr} @ PIV (PER LEG) @ $T_A = 125\text{ }^\circ\text{C}$	I_{rr}	1.0	mA
MAXIMUM REVERSE RECOVERY TIME ($I_f = 0.5\text{A}$, $I_r = 1.0\text{A}$, $I_{rr} = 0.25\text{A}$)	t_{rr}	30	nsec

SENSITRON

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MECHANICAL DIMENSIONS: In Inches / mm



TO-257

PINOUT TABLE

DEVICE TYPE	PIN 1	PIN 2	PIN 3
SINGLE RECTIFIER	CATHODE	ANODE	ANODE
DUAL RECTIFIER/COMMON CATHODE (P)	ANODE 1	COMMON CATHODE	ANODE 2
DUAL RECTIFIER/COMMON ANODE (N)	CATHODE 1	COMMON ANODE	CATHODE 2
DUAL RECTIFIER/DOUBLER (D)	ANODE	ANODE/ CATHODE	CATHODE

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