

TECHNICAL DATA
 DATA SHEET 4227, REV. B

HERMETIC ULTRAFAST RECTIFIER
 SINGLE / DUAL - COM. CATHODE / COM. ANODE / DOUBLER

DESCRIPTION: 200VOLT, 16AMP, 35 NANOSECOND HERMETIC RECTIFIERS IN A TO-254 PACKAGE..
Ceramic Seal Option – For ceramic seals use part number prefix SHDC

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

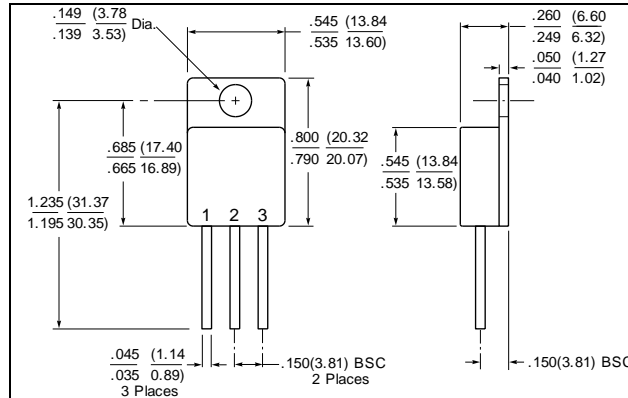
RATING	SYMBOL	MAX.	UNITS
PEAK INVERSE VOLTAGE (PER LEG)	PIV	200	Volts
MAXIMUM FORWARD VOLTAGE DROP @ $T_A = 25^\circ\text{C}$ (PER LEG) SINGLE / COMMON CATHODE (P) COMMON ANODE (N) / DOUBLER (D) ($I_f = 16\text{ Amps}$)	V_f	1.1 1.2	Volts
MAXIMUM FORWARD VOLTAGE DROP @ $T_A = 125^\circ\text{C}$ (PER LEG) SINGLE / COMMON CATHODE (P) COMMON ANODE (N) / DOUBLER (D) ($I_f = 16\text{ Amps}$)	V_f	1.0 1.1	Volts
MAXIMUM DC OUTPUT CURRENT ($T_C = 100^\circ\text{C}$)	I_o	16	Amps
PEAK SINGLE CYCLE SURGE CURRENT (PER LEG) $t_p = 8.3\text{ msec}$	I_{FSM}	250	Amps
MAXIMUM REVERSE RECOVERY TIME (PER LEG) @ $I_f = 0.5\text{A}$, $I_r = 1.0\text{A}$, $I_{rr} = 0.25\text{A}$	t_{rr}	35	nsec
MAXIMUM REVERSE CURRENT I_{rr} @ PIV (PER LEG) @ $T_A = 25^\circ\text{C}$	I_{rr}	20	μA
MAXIMUM REVERSE CURRENT I_{rr} @ PIV (PER LEG) @ $T_A = 125^\circ\text{C}$	I_{rr}	1.0	mA
MAXIMUM THERMAL RESISTANCE (PER LEG)	$R\theta_{JC}$	2.0	$^\circ\text{C/W}$
MAXIMUM OPERATING AND STORAGE TEMPERATURE RANGE	$T_{op/stg}$	-55 to +150	$^\circ\text{C}$

SENSITRON

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MECHANICAL DIMENSIONS: In Inches / mm



TO-254

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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