

TECHNICAL DATA
 DATA SHEET 4227, REV. -

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

DESCRIPTION: 200 VOLT, 16 AMP, 35 NANOSECOND HERMETIC RECTIFIER IN A TO-254 PACKAGE.

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

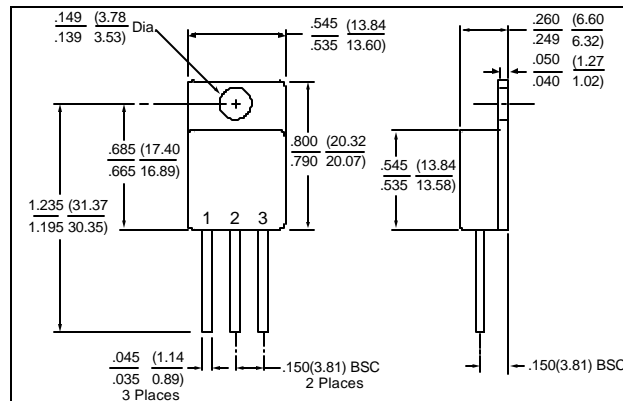
RATING	SYMBOL	MAX.	UNITS
PEAK INVERSE VOLTAGE (PER LEG)	PIV	200	Volts
MAXIMUM FORWARD VOLTAGE DROP @ $T_A = 25^\circ$ (PER LEG) SINGLE / COMMON CATHODE (P) COMMON ANODE (N) / DOUBLER (D) (I _f = 16 Amps)	V _f	1.1 1.2	Volts
MAXIMUM FORWARD VOLTAGE DROP @ $T_A = 125^\circ$ (PER LEG) SINGLE / COMMON CATHODE (P) COMMON ANODE (N) / DOUBLER (D) (I _f = 16 Amps)	V _f	1.0 1.1	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}	500	Amps
MAXIMUM REVERSE RECOVERY TIME (I _f = 0.5A, I _r = 1.0A, I _{rr} = 0.25A)	t _{rr}	35	nsec
MAXIMUM REVERSE CURRENT I _{rr} @ PIV (PER LEG) @ $T_A = 25^\circ$	I _{rr}	20	μA
MAXIMUM REVERSE CURRENT I _{rr} @ PIV (PER LEG) @ $T_A = 125^\circ$	I _{rr}	1.0	mA
MAXIMUM THERMAL RESISTANCE (PER LEG)	Rθ _{JC}	1.0	°C/W
MAXIMUM OPERATING AND STORAGE TEMPERATURE RANGE	T _{op/stg}	-55 to +150	°C

SHD325311
 SHD325311P
 SHD325311N
 SHD325311D

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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