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.

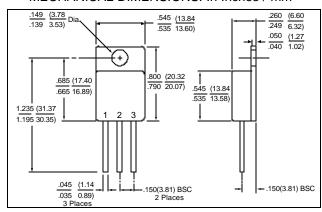
MAX RATINGS/ELECTRICAL CHARACTRISTIC ALL RATINGS ARE AT $T_A = 25 \text{ C}$) UNLESS OTHERWISE SPECIFIED

RATING	SYMBOL	MAX.	UNITS
PEAK INVERSE VOLTAGE (PER LEG)	PIV	200	Volts
MAXIMUM FORWARD VOLTAGE DROP @ T _A = 25°(PER LEG)			
SINGLE / COMMON CATHODE (P)	V_{f}	1.1	Volts
COMMON ANODE (N) /		1.2	
DOUBLER (D)			
(I _f =			
MAXIMUM FORWARD VOLTAGE DROP @ T _A = 125° (PER LEG)			
SINGLE / COMMON CATHODE (P)	V_{f}	1.0	Volts
COMMON ANODE (N) /		1.1	
DOUBLER (D) $ (I_f =$			
16 Amps)			
MAXIMUM DC OUTPUT CURRENT (T _C = 100 °C)	lo	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°	l _{rr}	20	μΑ
MAXIMUM REVERSE CURRENT I _{rr} @ PIV (PER LEG) @ T _A = 125°	I _{rr}	1.0	mA
MAXIMUM THERMAL RESISTANCE (PER LEG)	$R\theta_{JC}$	1.0	°C/W
MAXIMUM OPERATING AND STORAGE TEMPERATURE RANGE	T _{op/stg}	-55 to +150	°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



TECHNICAL DATA

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