SENSITRON SEMICONDUCTOR

TECHNICAL DATA
DATA SHEET 125, REV B

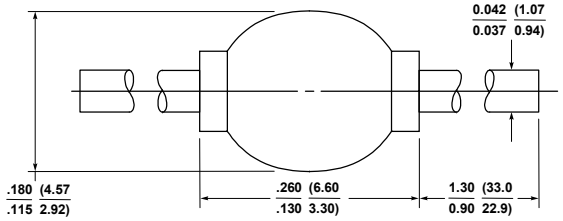
HIGH CURRENT AXIAL LEAD RECTIFIERS

DESCRIPTION: 400 VOLT, 3.0 AMP, 2000 NANOSECOND RECTIFIER

MAX. RATINGS / ELECTRICAL CHARACTERISTICS All ratings are at $T_A = 25^oC$ unless otherwise specified.

RATING	CONDITIONS	MIN	TYP	MAX	UNIT
Peak Inverse Voltage (PIV)	-	-	-	400	Vdc
Average DC Output Current (I_o)	$T_A = +55^oC$	-	-	3.0	Amps
Peak Single Cycle Surge Current (I_{fsm})	t_p = 8.3 ms Single Half Cycle Sine Wave, Superimposed On Rated Load	-	-	80	Amps(pk)
Operating and Storage Temp. (T_{op} & T_{stg})	-	-65	-	+175	°C
Maximum Forward Voltage (V_f)	I_f = 9.0A (300 μsec pulse, duty cycle < 2%)	-	-	1.5	Volts
Maximum Instantaneous Reverse Current At Rated (PIV)	$T_A = 25°$ C $T_A = 100°$ C	-	-	1.0 20	μAmps
Reverse Recovery Time (t_{rr})	I_f = 0.5A, I_r = 1.0A, I_{rr} = 0.25A	-	-	150	nsec
Thermal Resistance (θ_{JL})	d = 0.375"	-	-	20	° C/W

MECHANICAL DIMENSIONS In Inches / (mm), min./max.



PKG. 301

Note: The cathode side is marked with a dark colored band on one side of the diode body.

1N5418
JAN1N5418
JANTX1N5418
JANTXV1N5418

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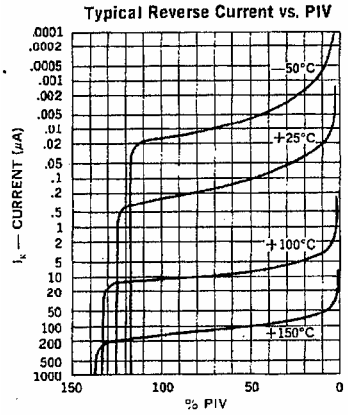

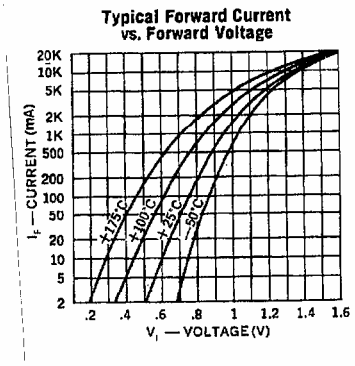

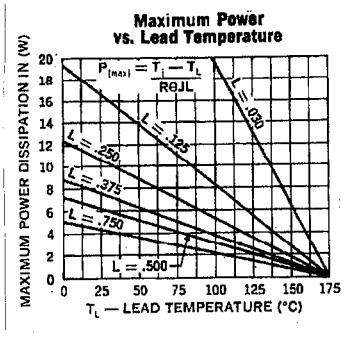

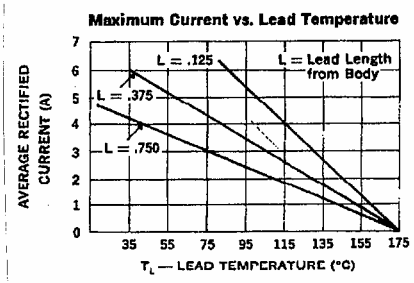

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