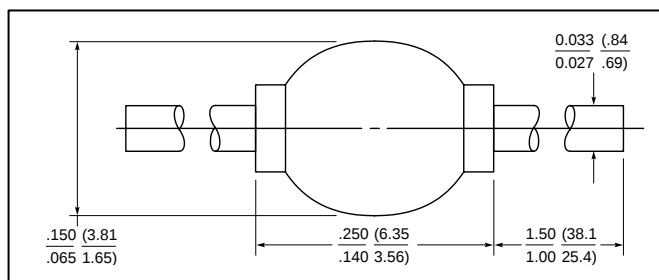


TECHNICAL DATA
DATA SHEET 129, REV. A**HERMETIC AXIAL LEAD RECTIFIER**

DESCRIPTION: A 200/400/600/800/1000 VOLT, 1.5 AMP, 5000 NANOSECOND RECTIFIER.

MAX. RATINGS / ELECTRICAL CHARACTERISTICS All ratings are at $T_A = 25^\circ\text{C}$ unless otherwise specified.

RATING	CONDITIONS	MIN	TYP	MAX	UNIT
Peak Inverse Voltage (PIV) 1N4245 1N4246 1N4247 1N4248 1N4249	-	-	-	200 400 600 800 1000	Vdc
Average DC Output Current (I_o)	$T_C = 55^\circ\text{C}$ $T_C = 100^\circ\text{C}$	-	-	1.5 1.0	Amps
Peak Single Cycle Surge Current (I_{fsm})	$t_p = 8.3$ ms Single Half Cycle Sine Wave, Superimposed On Rated Load	-	-	25	Amps(pk)
Operating and Storage Temp. (T_{op} & T_{stg})	-	-65	-	+175	$^\circ\text{C}$
Maximum Forward Voltage (V_f)	$I_f = 3.0\text{A}$ (300 μsec pulse, duty cycle < 2%)	-	-	1.3	Volts
Maximum Instantaneous Reverse Current At Rated (PIV)	$T_A = 25^\circ\text{C}$ $T_A = 100^\circ\text{C}$	-	-	1.0 25	μAmps
Reverse Recovery Time (t_{rr})	$I_f = 0.5\text{A}$, $I_r = 1.0\text{A}$, $I_{rr} =$ 0.25A	-	-	5000	nsec
Thermal Resistance ($R_{\theta JL}$)	-	-	-	38	$^\circ\text{C/W}$

MECHANICAL DIMENSIONS: In Inches / mm**PKG. 103****Note:** The cathode side is marked with a dark colored band on the diode body.

TECHNICAL DATA

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