

JAN JANTX JANTXV 1N4246 1N4247 1N4248 1N4249

1N4245

TECHNICAL DATA DATA SHEET 129, REV. A

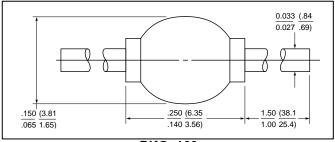
HERMETIC AXIAL LEAD RECTIFIER

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

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

MAX. RATINGS / ELECTRICAL CHARACTERISTICS		All ratings are at $T_A = 25^{\circ}$ 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 _{stq})	-	-65	-	+175	°C
Maximum Forward Voltage (V _f)	I_f = 3.0A (300 µsec pulse, duty cycle < 2%)	ı	1	1.3	Volts
Maximum Instantaneous Reverse Current At Rated (PIV)	T _A = 25 °C T _A = 100 °C	-	-	1.0 25	μAmps
Reverse Recovery Time (t _{rr})	$I_f = 0.5A, I_r = 1.0A, I_{rr} = 0.25A$	-	-	5000	nsec
Thermal Resistance (R _{0JL})	-	-	-	38	°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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