

SENSITRON **SEMICONDUCTOR**

1N3611
1N3612
1N3613
1N3614
1N3957

TECHNICAL DATA
DATA SHEET 128, REV. A

SJ
SV
SX

HERMETIC AXIAL LEAD RECTIFIER

DESCRIPTION: A 200/400/600/800/1000 VOLT, 1 AMP, 5000 NANOSECOND RECTIFIER.

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

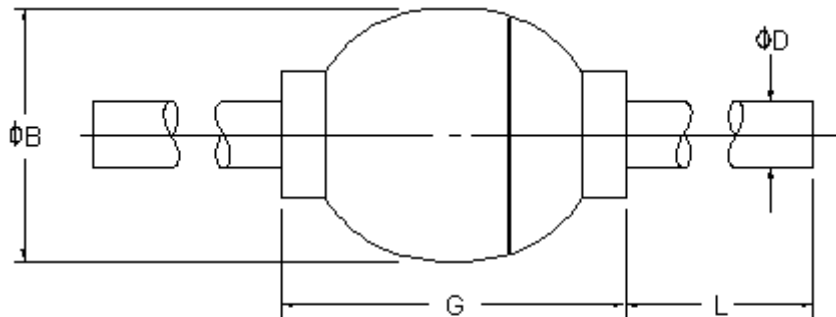
RATING	CONDITIONS	MIN	TYP	MAX	UNIT
Peak Inverse Voltage 1N3611 1N3612 1N3613 1N3614 1N3957	-	-	-	200 400 600 800 1000	Vdc
Average DC Output Current (I_o)	$T_C = 100^\circ\text{C}$ $T_C = 150^\circ\text{C}$	-	-	1.0 0.30	Amps
Peak Single Cycle Surge Current (I_{fsm})	$t_p = 8.3$ ms Single Half Cycle Sine Wave, Superimposed On Rated Load	-	-	30	Amps(pk)
Operating and Storage Temp. (T_{op} & T_{stg})	-	-65	-	+175	$^\circ\text{C}$
Maximum Forward Voltage (V_f)	$I_f = 1.0\text{A}$ (300 μsec pulse, duty cycle < 2%)	-	-	1.1	Volts
Maximum Instantaneous Reverse Current At Rated (PIV)	$T_A = 25^\circ\text{C}$ $T_A = 150^\circ\text{C}$	-	-	1.0 300	μAmps
Reverse Recovery Time (t_{rr})	$I_f = 0.5\text{A}$, $I_r =$ 1.0A , $I_{rr} = 0.25\text{A}$	-	-	5000	nsec
Thermal Resistance ($R_{\theta JL}$)	-	-	-	38	$^\circ\text{C/W}$

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MECHANICAL DIMENSIONS: In Inches / mm



PACKAGE STYLE	DIMENSIONS - INCHES / MILLIMETERS			
	ϕB	ϕD	G	L
101	.060/.110 1.52/2.79	.025/.034 .64/.86	.140/.205 3.56/5.21	.60/1.50 15.2/38.1

PKG. 101

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

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