1N3611 1N3612 1N3613 1N3614 1N3957

## SENSITRON SEMICONDUCTOR

TECHNICAL DATA DATA SHEET 128, REV. A

SJ	
SV	
SX	

## **HERMETIC AXIAL LEAD RECTIFIER**

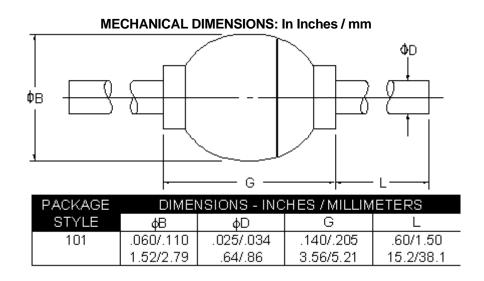
DESCRIPTION: A 200/400/600/800/1000 VOLT, 1 AMP, 5000 NANOSECOND RECTIFIER.

MAX. RATINGS / ELECTRICAL CHARACTERISTICS All ratings are at  $T_A = 25^{\circ}$ 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 <sub>o</sub> )	$T_{\rm C} = 100^{\circ}{\rm C}$ $T_{\rm C} = 150^{\circ}{\rm C}$	-	-	1.0 0.30	Amps
Peak Single Cycle Surge Current (I <sub>fsm</sub> )	t <sub>p</sub> = 8.3 ms Single Half Cycle Sine Wave, Superimposed On Rated Load	-	-	30	Amps(pk)
Operating and Storage Temp. (T <sub>op</sub> & T <sub>stg</sub> )	-	-65	-	+175	°C
Maximum Forward Voltage (V <sub>f</sub> )	I <sub>f</sub> = 1.0A (300 μsec pulse, duty cycle < 2%)	-	-	1.1	Volts
Maximum Instantaneous Reverse Current At Rated (PIV)	T <sub>A</sub> = 25 °C T <sub>A</sub> = 150 °C	-	-	1.0 300	μAmps
Reverse Recovery Time (t <sub>rr</sub> )	$I_f = 0.5A, I_r = 1.0A, I_{rr} = 0.25A$	-	-	5000	nsec
Thermal Resistance (R <sub>BJL</sub> )	-	-	-	38	°C/W



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## PKG. 101

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

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