

# SENSITRON SEMICONDUCTOR

## POWER RECTIFIER

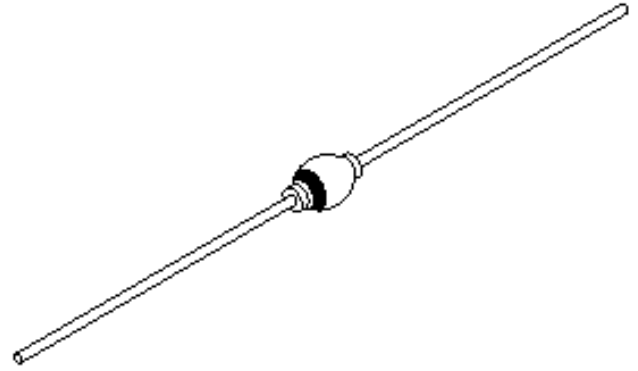
**PART NUMBER:**JAN1N5553

**PACKAGE STYLE:**301

**CONFIGURATION:**SINGLE

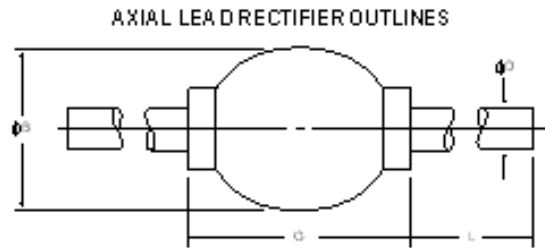
ALL RATINGS ARE @  $T_c = 25\text{ }^{\circ}\text{C}$  UNLESS OTHERWISE SPECIFIED.

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MAXIMUM RATINGS / Conditions	SYMBOL	MAX	UNITS
PEAK INVERSE VOLTAGE	PIV	800	Volts
MAXIMUM DC OUTPUT CURRENT @ $T_c=55\text{ }^{\circ}\text{C}$ )	$I_o$	3	Amps
MAXIMUM DC OUTPUT CURRENT @ $T_c=100\text{ }^{\circ}\text{C}$ )	$I_o$	2	Amps
MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT ( $t= 8.3\text{ms}$ , Sine)	$I_{FSM}$	100	Amps
MAXIMUM THERMAL RESISTANCE	$R_{\theta JC}$	22	$^{\circ}\text{C/W}$
OPERATING TEMPERATURE	$T_J(\text{MAX})$	-65 to +175	$^{\circ}\text{C}$

ELECTRICAL CHARACTERISTICS / Conditions	SYMBOL	MAX	UNITS
MAXIMUM FORWARD VOLTAGE DROP, Pulsed ( $I_f = 9\text{ Amps}$ ) $T_J = 25\text{ }^{\circ}\text{C}$	$V_f$	1.3	Volts
MAXIMUM REVERSE CURRENT $T_j = 25\text{ }^{\circ}\text{C}$ $T_j = 100\text{ }^{\circ}\text{C}$	$I_r$	1 75	$\mu\text{A}$ $\mu\text{A}$
REVERSE RECOVERY TIME	$t_{rr}$	2000	ns

**MECHANICAL DIMENSIONS: In Inches / mm**

Note: Cathode side of device is indicated by a dark band marked on body.

PACKAGE STYLE	DIMENSIONS - INCHES / MILLIMETERS			
	$\phi D$	$\phi D$	G	L
301	.115/.180	.037/.042	.130/.300	.90/1.30
	2.92/4.57	.94/1.07	3.30/7.62	22.9/33.0

**Data and specifications subject to change without notice.**

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