

SENSITRON SEMICONDUCTOR

POWER RECTIFIER

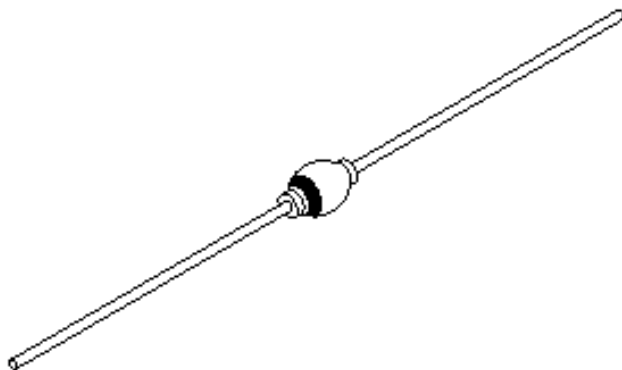
PART NUMBER:JAN1N5552

PACKAGE STYLE:301

CONFIGURATION:SINGLE

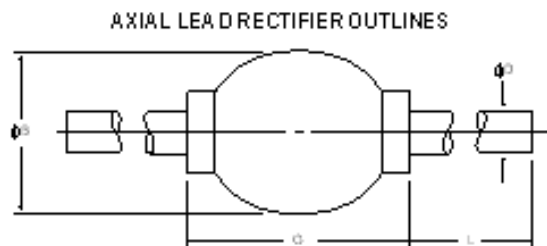
ALL RATINGS ARE @ $T_c = 25^\circ\text{C}$ UNLESS OTHERWISE SPECIFIED.

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MAXIMUM RATINGS / Conditions	SYMBOL	MAX	UNITS
PEAK INVERSE VOLTAGE	PIV	600	Volts
MAXIMUM DC OUTPUT CURRENT @ $T_c=55^\circ\text{C}$)	I_o	3	Amps
MAXIMUM DC OUTPUT CURRENT @ $T_c=100^\circ\text{C}$)	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 ($I_f = 9\text{ Amps}$) $T_J = 25^\circ\text{C}$	V_f	1.2	Volts
MAXIMUM REVERSE CURRENT $T_J = 25^\circ\text{C}$ $T_J = 100^\circ\text{C}$	I_r	1 75	μA μA
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			
	ϕD	ϕG	G	L
301	.115/.180 2.92/4.57	.037/.042 .94/1.07	.130/.300 3.30/7.62	.90/1.30 22.9/33.0

Data and specifications subject to change without notice.

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 221 West Industry Ct., Deer Park, NY 11729-4681
 PHONE (631) 586-7600 FAX (631) 242-9798