

SENSITRON SEMICONDUCTOR

POWER RECTIFIER

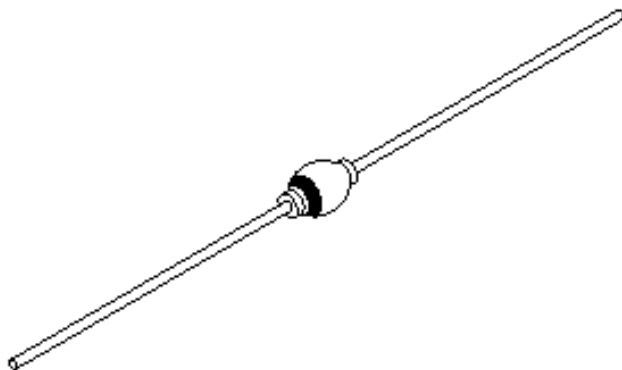
PART NUMBER: JANTXV1N5552

PACKAGE STYLE: 301

CONFIGURATION: SINGLE

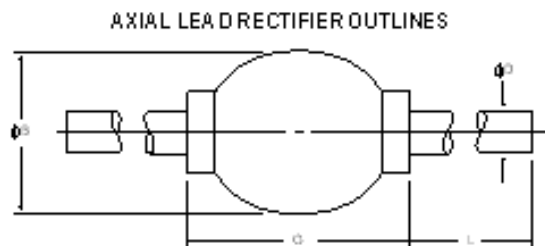
ALL RATINGS ARE @ $T_c = 25\text{ }^\circ\text{C}$ UNLESS OTHERWISE SPECIFIED.

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MAXIMUM RATINGS / Conditions	SYMBOL	MAX	UNITS
PEAK INVERSE VOLTAGE	PIV	600	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	1.2	Volts
MAXIMUM REVERSE CURRENT $T_j = 25\text{ }^\circ\text{C}$ $T_j = 100\text{ }^\circ\text{C}$	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			
	ϕB	ϕD	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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