

# SENSITRON SEMICONDUCTOR

## POWER RECTIFIER

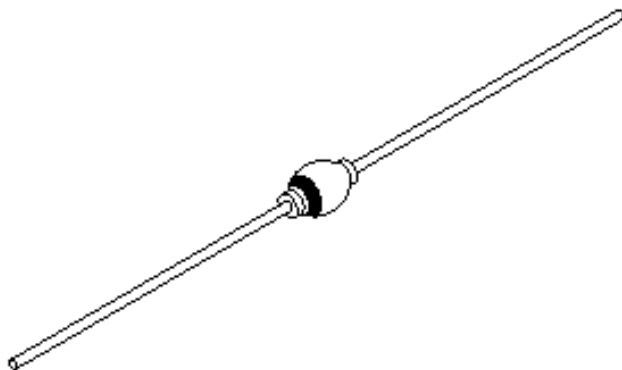
PART NUMBER: JANTX1N5623

PACKAGE STYLE: 102

CONFIGURATION: SINGLE

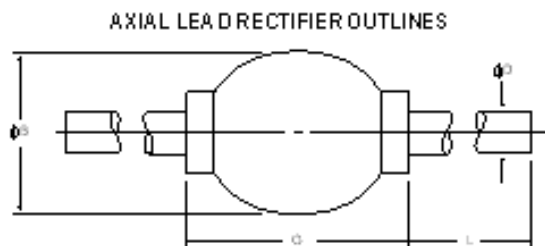
ALL RATINGS ARE @  $T_c = 25\text{ }^\circ\text{C}$  UNLESS OTHERWISE SPECIFIED.

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MAXIMUM RATINGS / Conditions	SYMBOL	MAX	UNITS
PEAK INVERSE VOLTAGE	PIV	1000	Volts
MAXIMUM DC OUTPUT CURRENT @ $T_c=55\text{ }^\circ\text{C}$ )	$I_o$	1	Amps
MAXIMUM DC OUTPUT CURRENT @ $T_c=100\text{ }^\circ\text{C}$ )	$I_o$	0.75	Amps
MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT ( $t = 8.3\text{ms}$ , Sine)	$I_{FSM}$	25	Amps
MAXIMUM THERMAL RESISTANCE	$R_{\theta JC}$	38	$^\circ\text{C/W}$
OPERATING TEMPERATURE	$T_J(\text{MAX})$	-65 to +175	$^\circ\text{C}$

ELECTRICAL CHARACTERISTICS / Conditions	SYMBOL	MAX	UNITS
MAXIMUM FORWARD VOLTAGE DROP, Pulsed ( $I_f = 3\text{ Amps}$ ) $T_J = 25\text{ }^\circ\text{C}$	$V_f$	1.6	Volts
MAXIMUM REVERSE CURRENT $T_j = 25\text{ }^\circ\text{C}$ $T_j = 100\text{ }^\circ\text{C}$	$I_r$	0 25	$\mu\text{A}$ $\mu\text{A}$
REVERSE RECOVERY TIME	$t_{rr}$	500	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			
	$\phi B$	$\phi D$	G	L
102	.065/.110 1.65/2.79	.026/.033 .66/.84	.130/.225 3.30/5.72	1.00/1.30 25.4/33.0

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

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