

# SENSITRON SEMICONDUCTOR

## POWER RECTIFIER

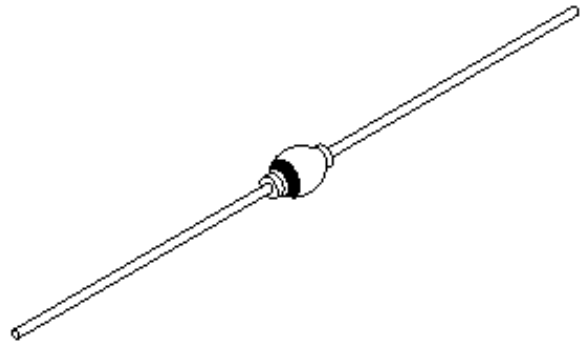
PART NUMBER: JANTXV1N4946

PACKAGE STYLE: 103

CONFIGURATION: SINGLE

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

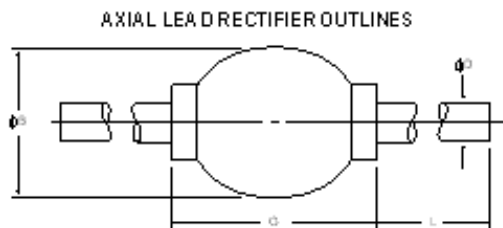
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MAXIMUM RATINGS / Conditions	SYMBOL	MAX	UNITS
PEAK INVERSE VOLTAGE	PIV	600	Volts
MAXIMUM DC OUTPUT CURRENT @ $T_c=55^\circ\text{C}$	$I_o$	1	Amps
MAXIMUM DC OUTPUT CURRENT @ $T_c=100^\circ\text{C}$	$I_o$	0.75	Amps
MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT ( $t = 8.3\text{ms}$ , Sine)	$I_{FSM}$	15	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 ( $I_f = 1\text{ Amps}$ ) $T_J = 25^\circ\text{C}$	$V_f$	1.3	Volts
MAXIMUM REVERSE CURRENT $T_J = 25^\circ\text{C}$ $T_J = 100^\circ\text{C}$	$I_r$	1 50	$\mu\text{A}$ $\mu\text{A}$
REVERSE RECOVERY TIME	$t_{rr}$	250	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			
	$\phi B$	$\phi D$	$G$	$L$
103	.065/.150 1.65/3.81	.027/.033 .69/.84	.140/.250 3.56/6.35	1.0/1.50 25.4/38.1

*Data and specifications subject to change without notice.*

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