

SENSITRON SEMICONDUCTOR

POWER RECTIFIER

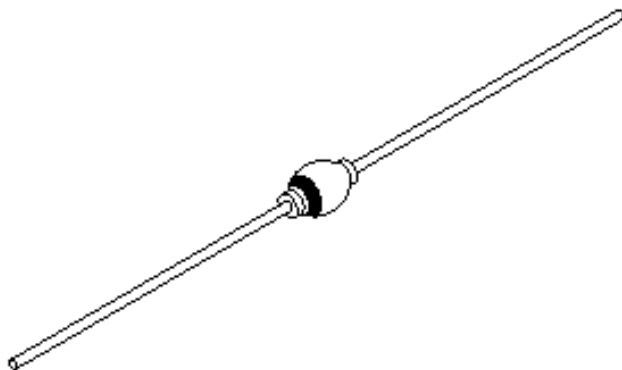
PART NUMBER: JAN1N5615

PACKAGE STYLE: 102

CONFIGURATION: SINGLE

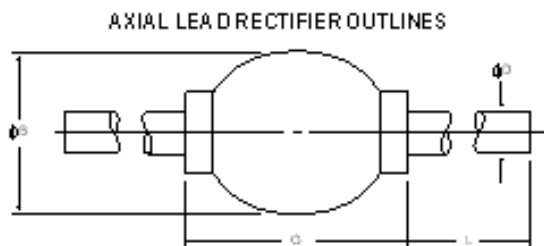
ALL RATINGS ARE @ $T_c = 25\text{ }^\circ\text{C}$ UNLESS OTHERWISE SPECIFIED.

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MAXIMUM RATINGS / Conditions	SYMBOL	MAX	UNITS
PEAK INVERSE VOLTAGE	PIV	200	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	μA μA
REVERSE RECOVERY TIME	t_{rr}	150	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
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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