

# SENSITRON

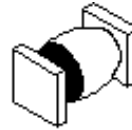
## SEMICONDUCTOR

### POWER RECTIFIER

PART NUMBER: JANTXV1N5811US

PACKAGE STYLE: MELF-B

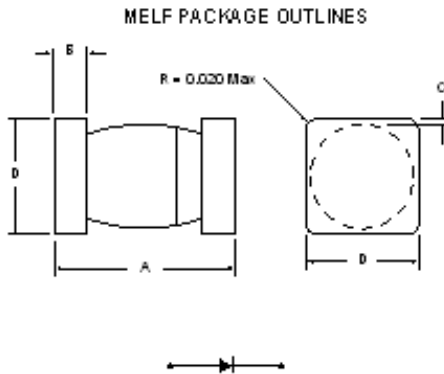
CONFIGURATION: SINGLE

ALL RATINGS ARE @  $T_c = 25^\circ\text{C}$  UNLESS OTHERWISE SPECIFIED.[Disclaimer](#)

MAXIMUM RATINGS / Conditions	SYMBOL	MAX	UNITS
PEAK INVERSE VOLTAGE	PIV	150	Volts
MAXIMUM DC OUTPUT CURRENT @ $T_c=55^\circ\text{C}$	$I_o$	3	Amps
MAXIMUM DC OUTPUT CURRENT @ $T_c=100^\circ\text{C}$	$I_o$	8	Amps
MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT ( $t=8.3\text{ms}$ , Sine)	$I_{FSM}$	125	Amps
MAXIMUM THERMAL RESISTANCE	$R_{\theta JC}$	10	$^\circ\text{C/W}$
OPERATING TEMPERATURE	$T_J(\text{MAX})$	-65 to +175	$^\circ\text{C}$

ELECTRICAL CHARACTERISTICS / Conditions	SYMBOL	MAX	UNITS
MAXIMUM FORWARD VOLTAGE DROP, Pulsed ( $I_f = 6\text{ Amps}$ ) $T_J = 25^\circ\text{C}$	$V_f$	0.925	Volts
MAXIMUM REVERSE CURRENT $T_J = 25^\circ\text{C}$ $T_J = 100^\circ\text{C}$	$I_r$	5 150	$\mu\text{A}$ $\mu\text{A}$
REVERSE RECOVERY TIME	$t_{rr}$	30	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			
	A	B	C	D
MELF-B	.200/.225 5.0/5.8	0.019/.028 .48/.72	.003 Min .076 Min	.137/.148 3.4/3.8

*Data and specifications subject to change without notice.*

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Sensitron Semiconductor [sales@sensitron.com](mailto:sales@sensitron.com)  
221 West Industry Ct., Deer Park, NY 11729-4681  
PHONE (631) 586-7600 FAX (631) 242-9798