

SENSITRON

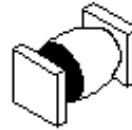
SEMICONDUCTOR

POWER RECTIFIER

PART NUMBER: JANTXV1N5811US

PACKAGE STYLE: MELF-B

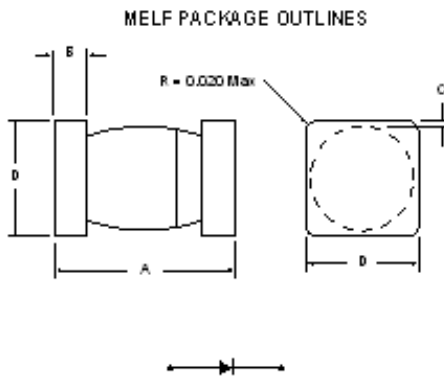
CONFIGURATION: SINGLE

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	μA μA
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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