SENSITRON
SEMICONDUCTOR

Transient Voltage Suppressor SM

PART NUMBER:JANTX1N6111AUS

PACKAGE STYLE:MELFTVS

CONFIGURATION:Transient Voltage Suppressor SM

-All ratings are @ Tc = 25 °C unless otherwise specified.

Disclaimer

MAXIMUM RATINGS / ELECTRICAL CHARACTERISTICS	SYMBOL	VALUE	UNITS
MIN BREAKDOWN VOLTAGE	Min V_{dc}	15.2	Vdc
TEST CURRENT	$mAmps_{dc}$	75	mAmps dc
WORKING PEAK REVERSE VOLTAGE VRWM	V_{dc}	12	Vdc
MAXIMUM REVERSE CURRENT	I_{R1}	20	uAmps dc
MAXIMUM CLAMP VOLTAGE	VC(max)@Ip, tp=1ms	22.3	Volts(pk)
MAXIMUM PEAK PULSE CURRENT	Ip	22.4	Amps(pk)
MAXIMUM TEMPERATURE COEFFICIENT	V_{BR}	0.08	%/°C
PEAK PULSE POWER	Ppp	500	Watts
OPERATING TEMPERATURE	To	-55 to +175	°C
STORAGE TEMPERATURE	To	-55 to +175	°C

NOTES:

PR = 3W (for 1,500W) peak pulse power devices at TA = +25°C

PR = 5W (for 1,500W) peak pulse power devices at TL = +75°C for L = 0.375 inch (9.53mm).

PPR = 1,500W at tp = 1ms

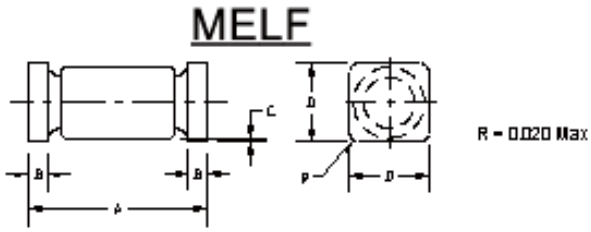
Data and specifications subject to change without notice.

DISCLAIMER:

1- The information given herein, including the specifications and dimensions, is subject to change without prior not ice to improve product characteristics Before ordering, purchasers are advised to contact the Sensitron Semiconductor sales department for the latest version of the datasheet (s) .
2- In cases where extremely high reliability is required (such as use in nuclear power control, aerospace and aviation, traffic equipment , medical equipment , and safety equipment) , safety should be ensured by using semiconductor devices that feature assured safety or by means of users' fail-safe precautions or other arrangement .
3- In no event shall Sensitron Semiconductor be liable for any damages that may result from an accident or any other cause during operation of the user's units according to the datasheet (s) . Sensitron Semiconductor assumes no responsibility for any intellectual property claims or any other problems that may result from applications of information, products or circuits described in the datasheets.
4- In no event shall Sensitron Semiconductor be liable for any failure in a semiconductor device or any secondary damage resulting from use at a value exceeding the absolute maximum rating.
5- No license is granted by the datasheet (s) under any patents or other rights of any third party or Sensitron Semiconductor.
6- The datasheet (s) may not be reproduced or duplicated, in any form, in whole or part , without the expressed writ ten permission of Sensitron Semiconductor.
7- The products (technologies) described in the datasheet (s) are not to be provided to any party whose purpose in their application will hinder maintenance of international peace and safety nor are they to be applied to that purpose by their direct purchasers or any third party. When exporting these products (technologies) , the necessary procedures are to be taken in accordance with related laws and regulations.

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

MECHANICAL DIMENSIONS: In Inches / mm



500 W

PACKAGE STYLE	DIMENSIONS - INCHES / MILLIMETERS			
	A	B	C	D
MELF	.200/.225 5.08/5.72	.019/.028 .48/.71	.003MIN .08MIN	.137/.148 3.48/3.76

1500 W

PACKAGE STYLE	DIMENSIONS - INCHES / MILLIMETERS			
	A	B	C	D
MELF	.205/.245 5.21/6.22	.019/.028 .48/.71	.003MIN .08MIN	.183/.202 4.65/5.13

***This drawing is for reference only. Please refer to the Sensitron published datasheet.**