



JST131W-600E 1A TRIAC

Rev.A.1.1

DESCRIPTION:

The JST131W-600E triac is a stable general purpose AC switching device. It can be used as an ON/OFF switch in a wide range of applications. It is suitable for switching inductive loads. It is available in a SOT-223-2L package.

MAIN FEATURES

ABSOLUTE MAXIMUM RATINGS

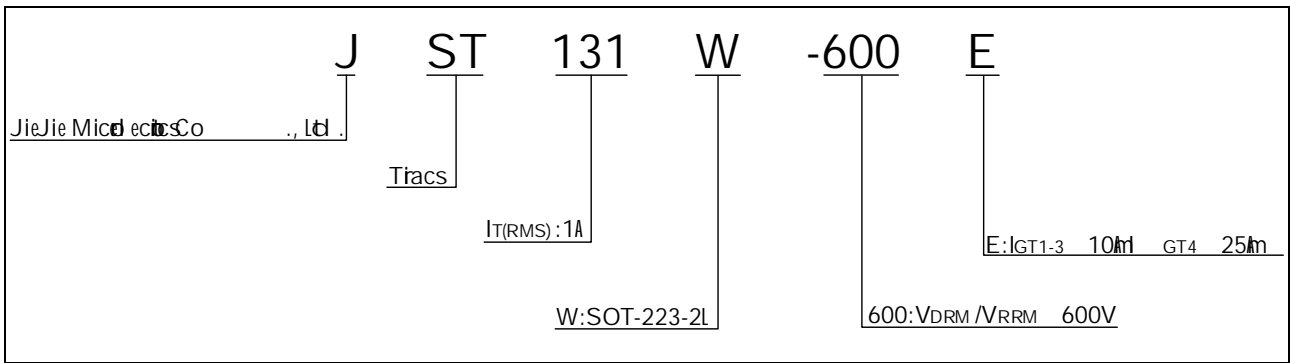
Parameter	Symbol	Value	Unit
Storage temperature	T_s	-40-150	
Operating temperature	T_j	-40-125	
Reverse peak voltage ($T_j=25^\circ\text{C}$)	V_{DRM}	600	V
Reverse peak voltage ($T_j=25^\circ\text{C}$)	V_{RRM}	600	V
RMS on-state current ($T_c=98^\circ\text{C}$)	$I_{T(RMS)}$	1	A
Non-repetitive peak on-state current (full cycle, $t_p=20\text{ms}$, $T_j=25^\circ\text{C}$)	I_{TSM}	16.5	A

ELECTRICAL CHARACTERISTICS (Specified)

Symbol	Test Condition	Quadrant	Value		Unit
I _{GT}	V _D =12V R _L =33	- -	MAX.	10	A
				25	
V _{GT}		ALL	MAX.	1.3	V
V _{GD}	V _D =V _{DRM} T _j =125 R _L =3.3k	ALL	MIN.	0.2	V
I _L	I _G =1.2I _{GT}	- -	MAX.	15	A
				30	
I _H	I _T =50mA		MAX.	15	A
d	V _D =400V Gate Op n _T =110 V/d		MIN.	250	Vs

(d) (d) 0.44A/nT j=1 V/d AmAm/d)c)c=

ORDERING INFORMATION



MARKING

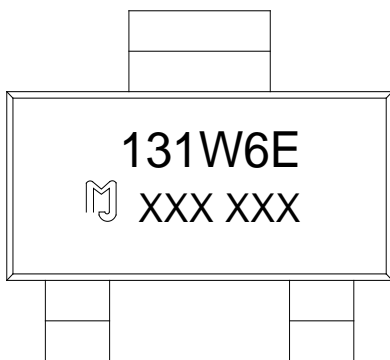
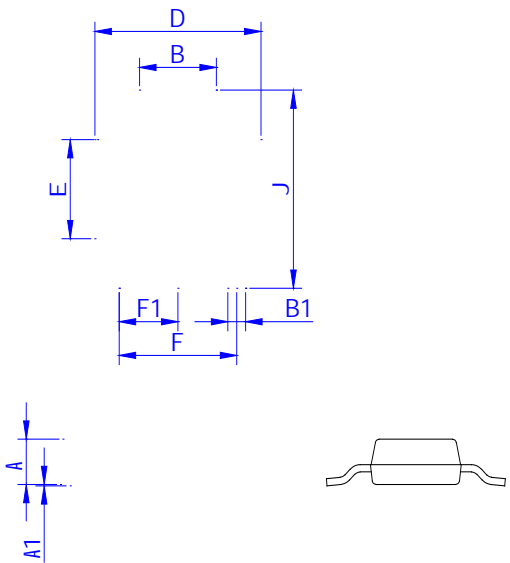


FIG.1: Main
input



FIG.2: RMS
output

PACKAGE MECHANICAL DATA



DELIVERY MODE

Ref.	Mill iets	Diets	IoDE
------	-----------	-------	------

