JST08H-800SW 8A TRIAC

Rev.A.1.1

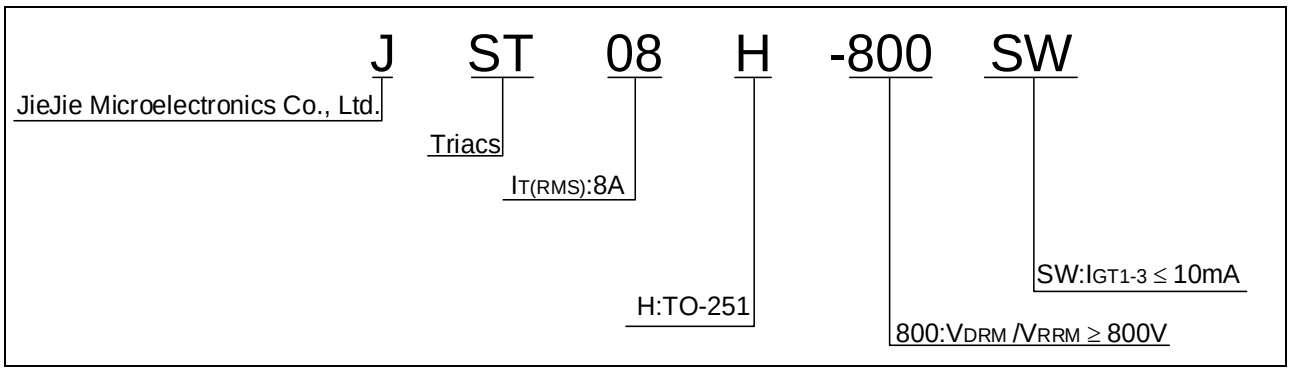
The JST08H-800SW triac is suitable for general purpose AC switching. It can be used as an ON/OFF function in applications such as heating regulation, induction motor starting circuits, for phase control operation in light dimmers, motor speed controllers. JST08H-800SW snubberless triac is especially recommended for use on inductive loads. It can be driven directly through the MCU I/O port. From T2 terminals to external heatsink.
Package TO-251 is RoHS compliant.

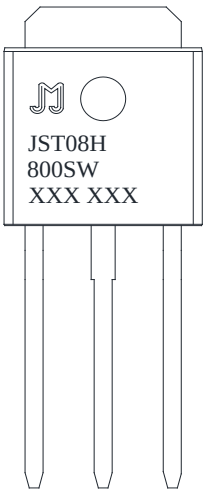
Parameter	Symbol	Value	Unit
Storage junction temperature range	T_{stg}	-40-150	
Operating junction temperature range	T_j	-40-125	
Repetitive peak off-state voltage (T_j=25)	V_{DRM}	800	V
Repetitive peak reverse voltage (T_j=25)	V_{RRM}	800	V
RMS on-state current ($T_C \leq$ 91)	$I_{T(RMS)}$	8	A
Non repetitive surge peak on-state current (full cycle , t_p=20ms , T_j=25)	I_{TSM}	80	A
Non repetitive surge peak on-state current (full cycle , t_p=16.6ms , T_j=25)		88	
I^2t value for fusing (t_p=10ms , T_j=25)	I^2t	32	A^2s
Critical rate of rise of on-state current (I_G=2 × I_{GT} , f=100Hz , T_j=125)	dI/dt	50	A s

Peak gate current (t

Peak gate power	P_{GM}	10	W

Peak pulse voltage
(T_j=25 ; non-


J
ST
08
H
-800
SW
JieJie Microelectronics Co., Ltd.
Triacs
IT(RMS):8A
H:TO-251
800:VDRM /VRRM ≥ 800V
SW:IGT1-3 ≤ 10mA


JST08H
800SW
XXX XXX

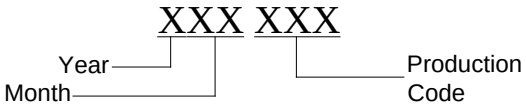

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Year
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Production
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FIG.1: Maximum power dissipation versus RMS on-state current

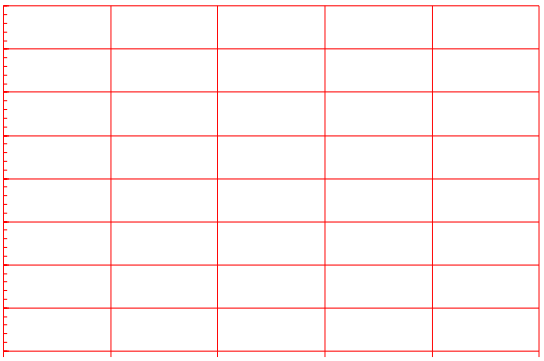
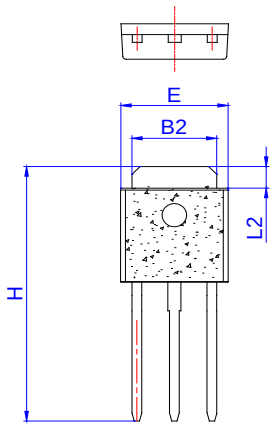


FIG.2: RMS on-state current versus case temperature


E
B2
L2
H

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