



JST04H-800SW 4A TRIAC

Rev.A.1.2

DESCRIPTION:

The JST04H800SW triac is suitable for general AC

switching. It can be used as ON/OFF for in

ductive load such as electric motor

and incandescent light

dimmer etc. JST04H800SW

is a triac packaged in TO-251

package. It can be driven directly by the MCU

I/O port. The maximum

package power dissipation is 0.5W.

MAIN FEATURES

ABSOLUTE MAXIMUM RATINGS

Parameter	Symbol	Value	Unit
Storage temperature	T_g	-40-150	
Operating temperature	T_j	-40-125	
Repetitive peak voltage (T _j =25℃)	V_{DRM}	800	V
Repetitive peak voltage (T _j =25℃)	V_{RRM}	800	V
RMS on-state current (T _c ≤97℃)	$I_{T(RMS)}$	4	A
Non-repetitive peak current (pulse, t _p ≤20ms, T _j =25℃)	I_{TSM}	40	A
Non-repetitive peak current (pulse, t _p ≤16.6ms, T _j =25℃)		44	
Surge current (t _p ≤10ms, T _j =25℃)	I^2t	8	A ² s

Pek gte	P _{GM}	10	W
Pek gte (T _j =25 ; 0 - ; FIG. 7)	V _p	3	V

ELECTRICAL CHARACTERISTICS (Specified)

Symbol	Test Condition	Quadrant	Value	Unit
I _{GT}	V _D			

ORDERING INFORMATION

J	S	T	04	H	-800	SW
Jie Jie Microelectronics Co., Ltd.	T: 100%	I _T (RMS): 4A	H: T Q251	800 : V _{DRM} / V _{RRM} ≥ 800 V	SW : t _{T1-3} ≤ 10ms	

MARKING

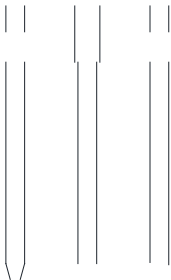


FIG.1: Maximum RMS
output current

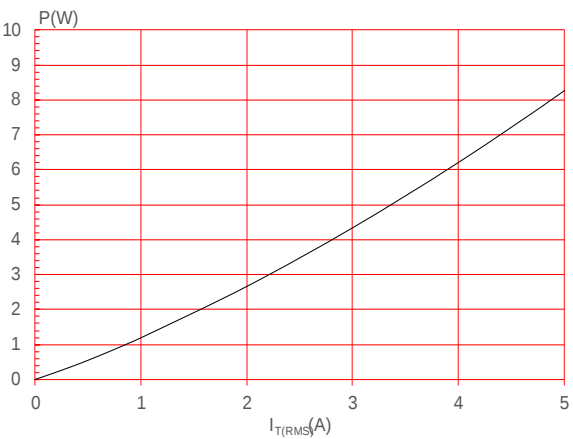


FIG.3: Single pulse
overcurrent

FIG.2: RMS output current
temp

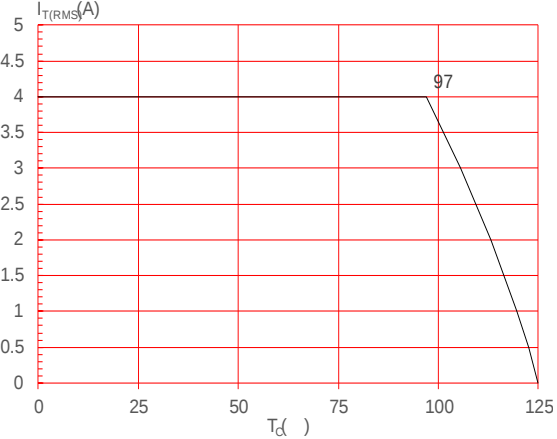


FIG.4: On-resistance

PACKAGE MECHANICAL DATA

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