



JST08H-1200TW 8A TRIAC

Rev.A.1.1

The JST08H-1200TW 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-1200TW 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-

Peak pulse voltage (T _j =25 ; non-repetitive, off-state; FIG.7)	V _{pp}	1.5	kV
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(T_j=25 unless otherwise specified)

Symbol	Test Condition	Quadrant	Value		Unit
I _{GT}	V _D =12V R _L =33Ω	- -	MAX.	5	mA
V _{GT}		- -	MAX.	1	V
V _{GD}	V _D =V _{DRM} T _j =125 R _L =3.3kΩ	- -	MIN.	0.2	V

J	ST	08	H	-1200	TW
JieJie Microelectronics Co., Ltd.	Triacs	$I_{T(RMS)}:8A$	H:TO-251	$1200:V_{DRM}/V_{RRM} \geq 1200V$	TW: $I_{GT1-3} \leq 5mA$

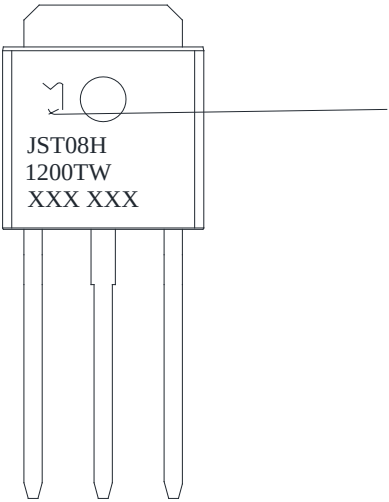


FIG.1: Maximum power dissipation versus RMS on-state current

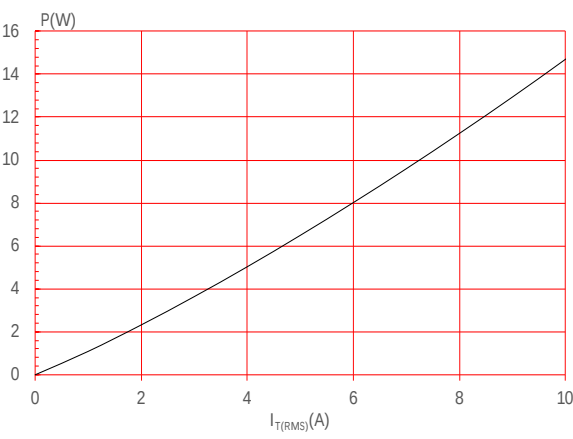


FIG.2: RMS on-state current versus case temperature

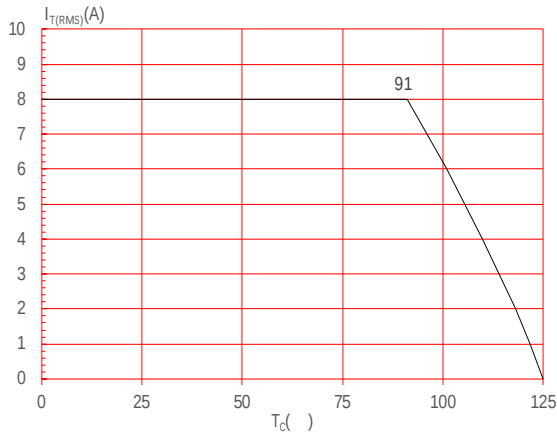


FIG.3: Surge peak on-state current versus number of cycles

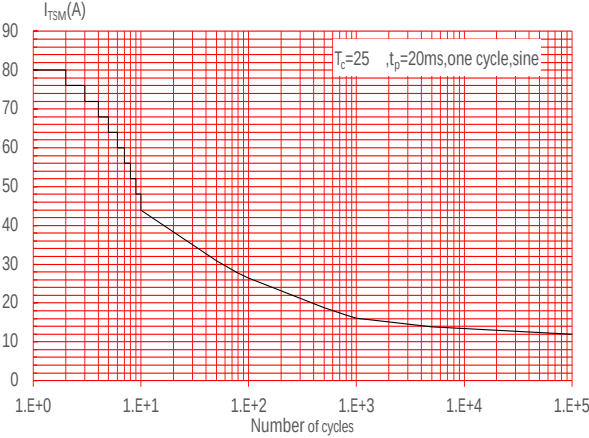


FIG.4: On-state characteristics

