



JST20E-1200CW 20A TRIAC

Rev.A.1.1

DESCRIPTION:

The JST20E-1200CW 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. JST20E-1200CW snubberless triac is especially recommended for use on inductive loads. Package TO-263 is RoHS compliant.

MAIN FEATURES

ABSOLUTE MAXIMUM RATINGS

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 ($T_j=25^\circ\text{C}$)	V_{DRM}	1200	V

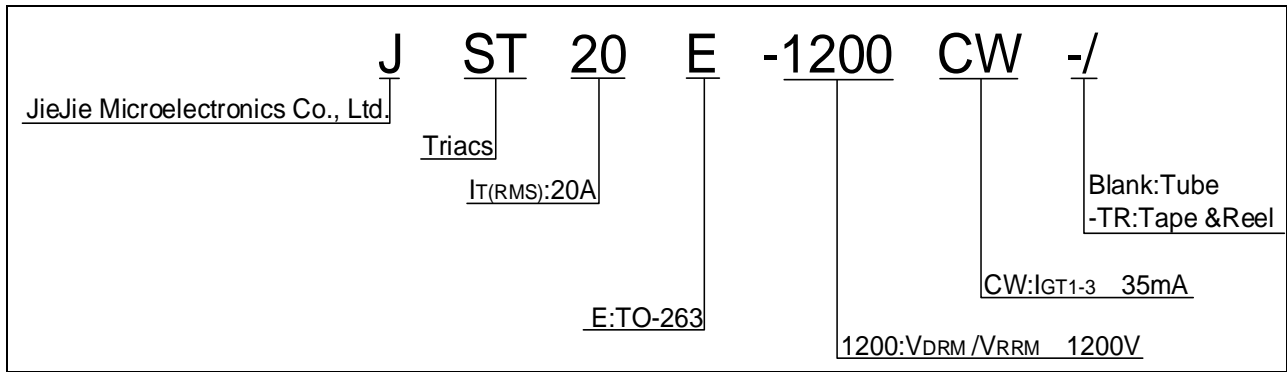
Repetitive peak re (t360.6 0.48.68 22.04 2407.04 0.481 0.48 r r)7 (e (t360.6 0.481 0.48 r r)7 (0.480

Peak pulse voltage ($T_j=25$; non-repetitive, off-state; FIG.8)	V_{pp}	4	kV
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S.32 re f(>BDC /C2_1 1 Tf35 -0.002 T)7olesepetmbol0 Tw 3.61/S.32 re f(>BDC /C2 -0.09T
ELECTRICAL CHARACTERISTICS ($T_j=25$ unless otherwi753.48 0.00pec0.00ified)

Smbol

ORDERING INFORMATION



MARKING

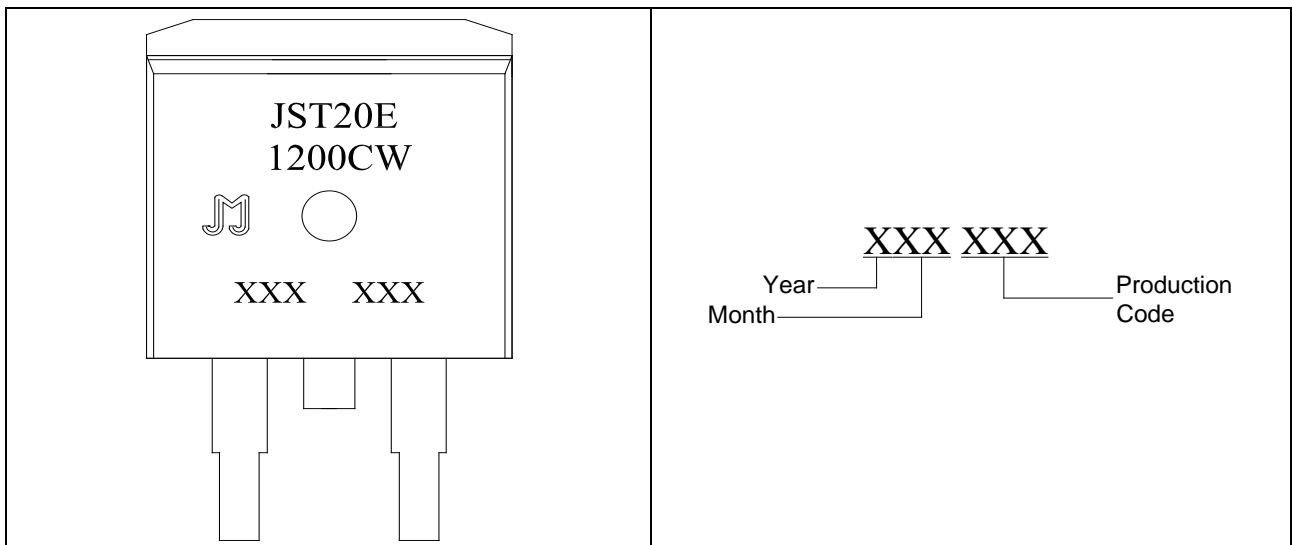


FIG.1: Maximum power dissipation versus RMS on-state current

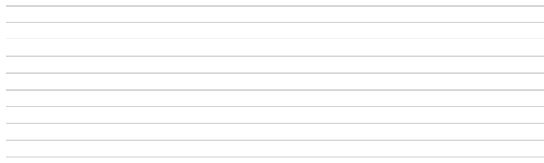


FIG.2: RMS on-state current versus case temperature

FIG.7: Relative variations of gate trigger current, holding current and latching current versus junction temperature

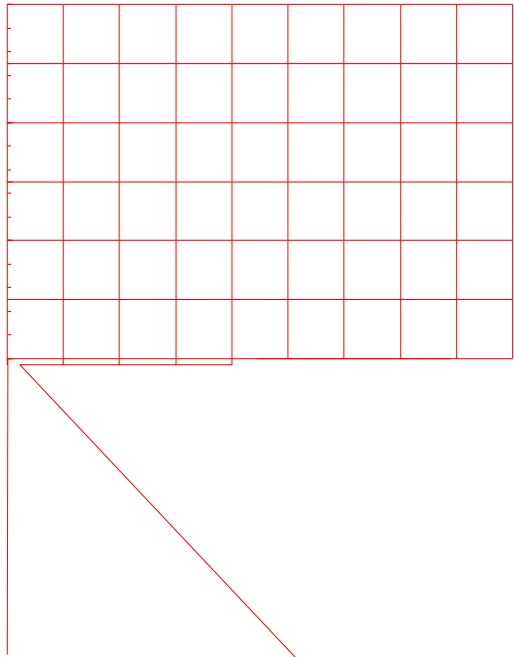


FIG.8: Test circuit for inductive and resistive loads to IEC-61000-4-5 standards

ORDERING INFORMATION

Order code	Voltage V_{DRM}/V_{RRM} (V)	IGT(mA)	Package	Base qty. (pcs)	Delivery mode
		- -			
JST20E-1200CW	1200	35	TO-263	50	Tube
JST20E-1200CW-TR				800	Tape & Reel

Document Revision History

Date	Revision	Changes
Apr.12, 2023	A.1.0	Last updated
Oct.20, 2025	A.1.1	Revise PACKAGE MECHANICAL DATA

DELIVERY MODE

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