JST12X-800CW 12A TRIAC

Rev.A.1.1

The JST12X-800CW triac is suitable for general purpose AC switching. It is more suitable for the switch functions of washing machines' water valve, positive inversion of motor, heat pump...JST12X-800CW snubberless triac is especially recommended for use on inductive loads. By using an external plastic package, JST12X-800CW provides a rated insulation voltage of 2000 VRMS, complying with UL standards (File ref: E252906). Package TO-220F is RoHS compliant.

Peak pulse voltage (T_j=25 ; non-repetitive,off-state;FIG.7)	V_{pp}	5	kV

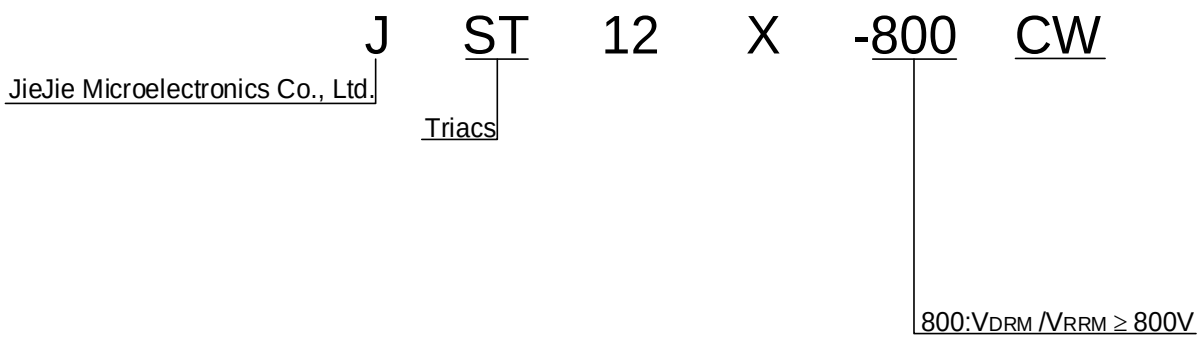

J ST 12 X -800 CW
JieJie Microelectronics Co., Ltd.
Triacs
800:VDRM /VRRM ≥ 800V

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

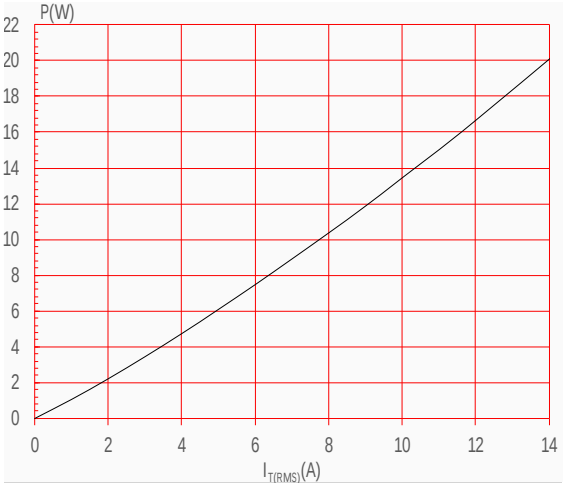


FIG.2: RMS on-state current versus case temperature

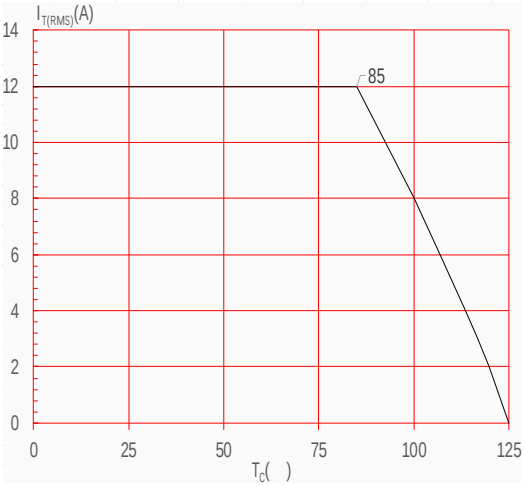


FIG.3: Surge peak on-state current versus number of cycles



FIG.4: On-state characteristics

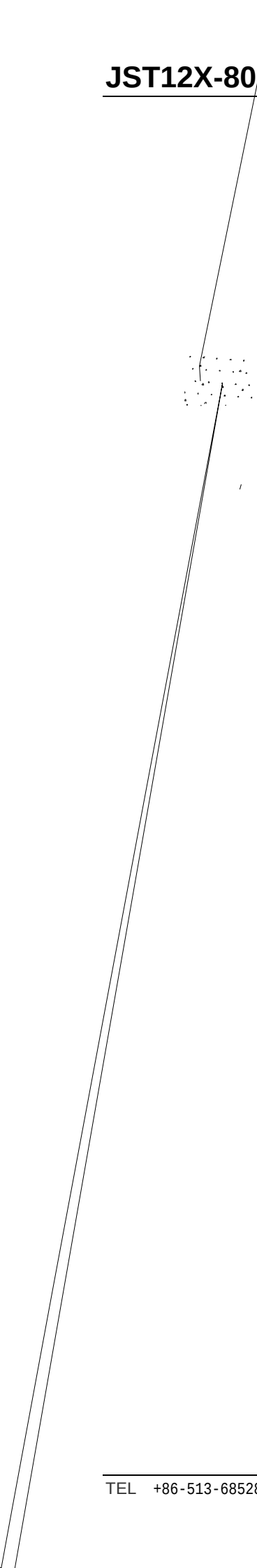
FIG.7 Test circuit for inductive and resistive loads to IEC-61000-4-5 standards



Order code	Voltage V_{DRM}/V_{RRM} (V)	IGT(mA)	Package	Base qty. (pcs)	Delivery mode
		- -			
JST12X-800CW	800	35	TO-220F(Ins)	50	Tube

Document Revision History

Date	Revision	Changes
Apr.10, 2023	A.1.0	Last updated
Oct.15, 2025	A.1.1	Revise PACKAGE MECHANICAL DATA



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