



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
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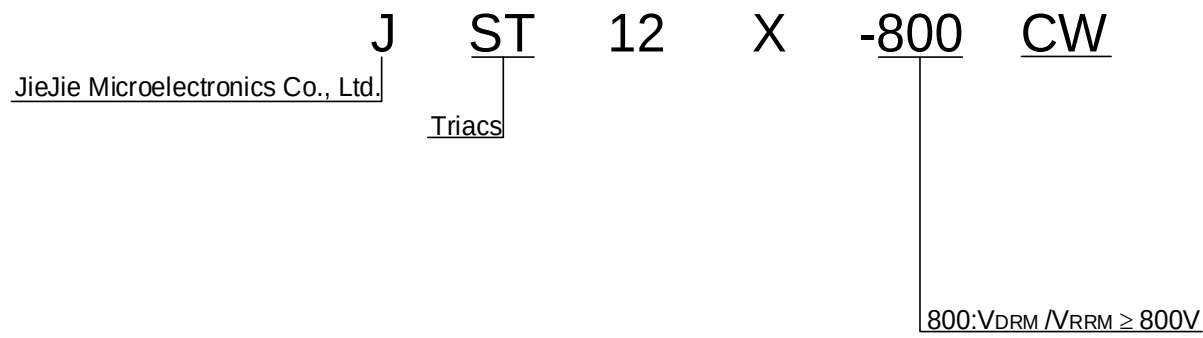


FIG.1: Maximum power dissipation versus RMS on-state current

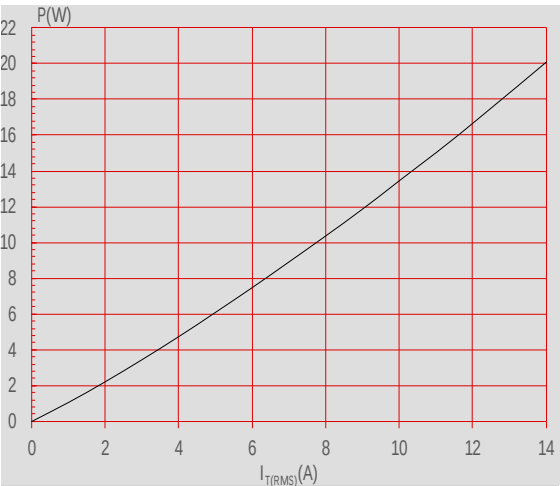


FIG.3: Surge peak on-state current versus number of cycles



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

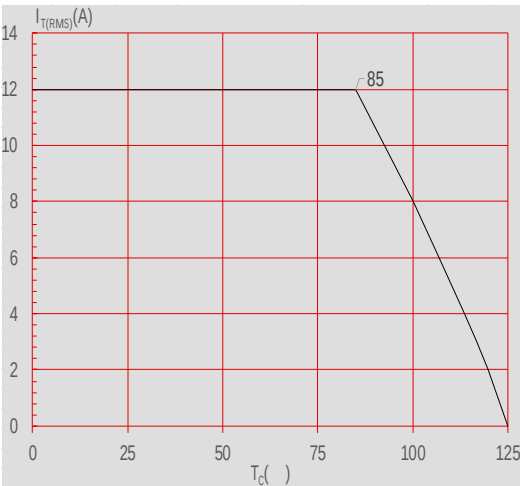


FIG.4: On-state characteristics



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





Order code	Voltage $V_{\text{DRM}}/V_{\text{RRM}}$ (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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