



JST12E-600CW 12A TRIAC

Rev.A.1.1

DESCRIPTION:

The JST12E-600CW 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. JST12E-600CW snubberless triac is especially recommended for use in AC motor speed control applications.

Peak pulse voltage (T _j =25 ; non-repetitive, off-state; FIG.8)	V _{pp}	4.5	kV
---	-----------------	-----	----

ELECTRICAL CHARACTERISTICS (unless otherwise specified)

Symbol	Test Condition	Quadrant	Value	Unit
--------	----------------	----------	-------	------

ORDERING INFORMATION

J	ST	12	E	-600	CW	-/
JieJie Microelectronics Co., Ltd.	Triacs					Blank:Tube -TR:Tape &Reel
	IT(RMS):12A					
		E:TO-263			CW:IGT1-3 35mA	
				600:VDRM /VRRM	600V	

MARKING

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

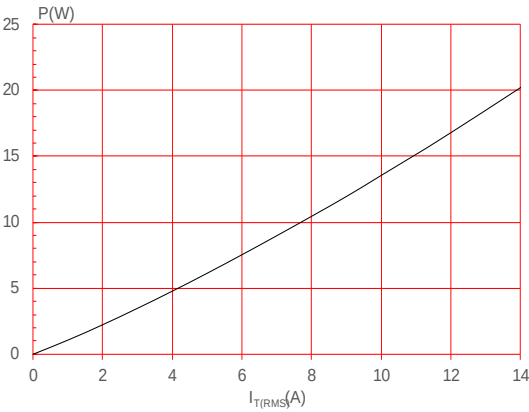


FIG.2: RMS on-state current versus case temperature



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

ORDERING INFORMATION

Order code	Voltage $V_{\text{DRM}}/V_{\text{RRM}}$ (V)	IGT(mA)	Package	Base qty. (pcs)	Delivery mode
		- -			
JST12E-600CW	600	35	TO-263	50	Tube
JST12E-600CW-TR				800	Tape& Reel

Document Revision History

Date	Revision	Changes
Apr.11, 2023	A.1.0	Last updated
Oct.20, 2025	A.1.1	Revise PACKAGE MECHANICAL DATA

TEL +86-513-68528666

<http://www.jjwdz.com>

DELIVERY MODE



