JST12C-1000CW 12A TRIAC

Rev.A.1.1

DESCRIPTION:

The JST12C-1000CW 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. JST12C-1000CW snubberless triac is especially recommended for use on inductive loads. From T2 terminals to external heatsink. Package TO-220C is RoHS compliant.

MAIN FEATURES

ABSOLUTE MAXIMUM (MAXIMUM RATINGS)

ORDERING INFORMATION

J	ST	12	C	-1000	CW
JieJie Microelectronics Co., Ltd.	Triacs	$I_{T(RMS)}$:12A	C:TO-220C	1000:V_{DRM} /V_{RRM} 1000V	CW:I_{GT1-3} 35mA

MARKING

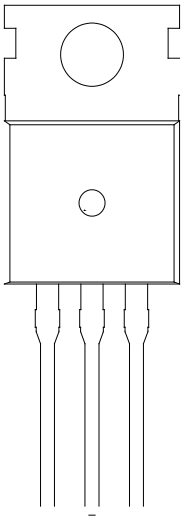


FIG.1: Maximum power dissipation versus RMS on-state current

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

FIG.7 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
		H- I- J			
JST12C-1000CW	**1000**	**35**	**TO-220C**	**50**	**Tube**

Document Revision History

Date	Revision	Changes
Apr.11, 2023	A.1.0	Last updated
Oct.15, 2025	A.1.1	Revise PACKAGE MECHANICAL DATA

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