



JST12F-600C 12A TRIAC

Rev.A.1.1

DESCRIPTION:

The JST12F-600C 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. By using an external plastic package, JST12F-600C provides a rated insulation voltage of 2000 VRMS, complying with UL

ORDERING INFORMATION

J	ST	12	F	-600	C
JieJie Microelectronics Co., Ltd	Triacs	$I_{T(RMS)}:12A$	$F:TO-220F(Ins)$	$600:V_{DRM}/V_{RRM} 1600V$	$C:I_{GT1-3} 0.25mA \ I_{GT4} 0.50mA$

MARKING

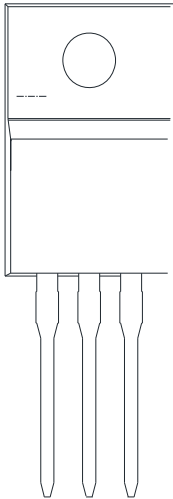


FIG.1: Maximum power dissipation versus RMS on-state current

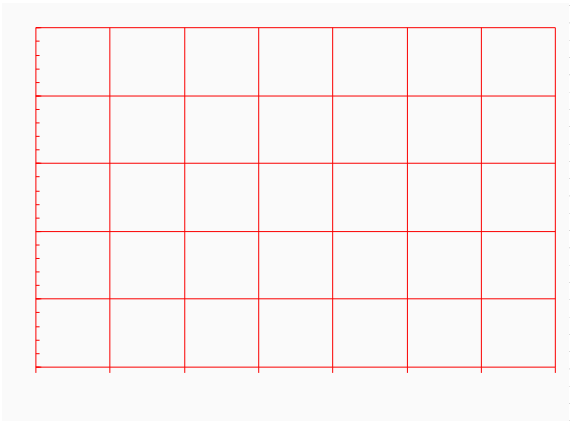


FIG.2: RMS on-state current versus case temperature

ORDERING INFORMATION

Order code	Voltage $V_{\text{DRM}}/V_{\text{RRM}}$ (V)	IGT(mA)		Package	Base qty. (pcs)	Delivery mode
		- -				
JST12F-600C	600	25	50	TO-220F(Ins)	50	Tube

Document Revision History

Date	Revision	Changes
Apr.14, 2023	A.1.0	Last updated
Oct.14, 2025	A.1.1	Revise PACKAGE MECHANICAL DATA

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