



## JST12F-600C 12A TRIAC

Rev.A.1.1

### DESCRIPTION:

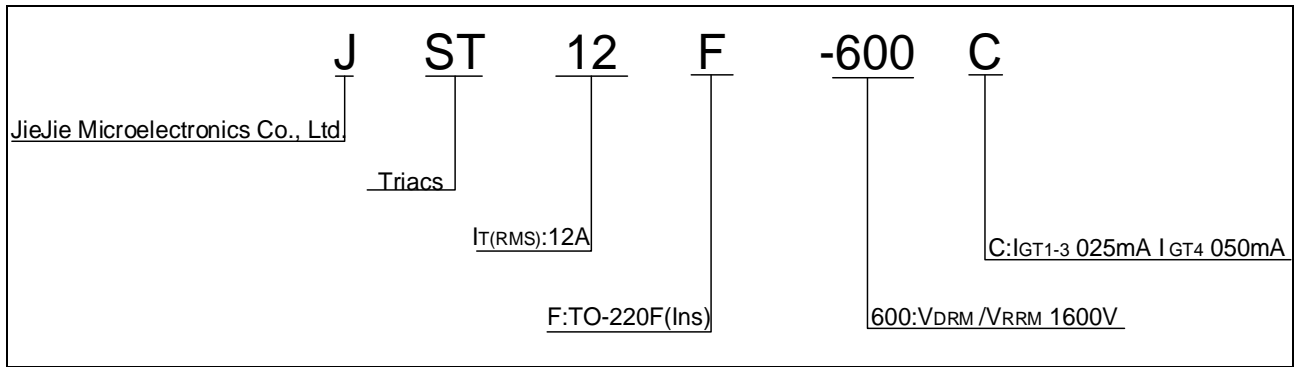
The JST12F-600C triac is suitable for general purpose AC switching. It can be used as an ON/OFF function in applications such as heating regulation, induction motor starting circuits, for phase control operation in light dimmers, motor speed controllers. By using an external plastic package, JST12F-600C provides a rated insulation voltage of 2000 VRMS, complying with UL

Peak pulse voltage ( $T_j=25$ ; non-repetitive,off-state;FIG.7)	$V_{pp}$	1	kV
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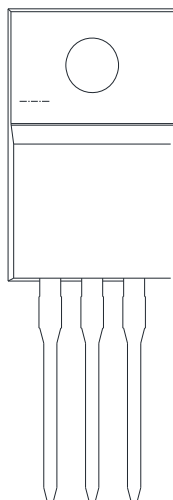
**ELECTRICAL CHARACTERISTICS** ( $T_j=25$  unless otherwise specified)

Symbol	Test Condition	Quadrant	Value	Unit
$I_{GT}$	$V_D=12V R_L=33$	- -	MAX. 25 5 0	mA

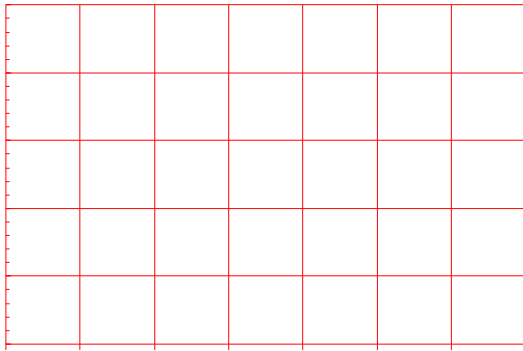
ORDERING INFORMATION



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 <sub>DRM</sub> /V <sub>RPM</sub> (V)	IGT(mA)		Package	Base qty. (pcs)	Delivery mode
		-	-			
<b>JST12F-600C</b>	<b>600</b>	<b>25</b>	<b>50</b>	<b>TO-220F(Ins)</b>	<b>50</b>	<b>Tube</b>


**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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