



JST12C-600CW 12A TRIAC

Rev.A.1.1

DESCRIPTION:

The JST12C-600CW triac is suitable for general purpose AC

Peak pulse voltage ($T_j=25$; non-repetitive, off-state; FIG.7)	V_{pp}	4.5	kV
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ELECTRICAL CHARACTERISTICS (at $T_j=25$ unless otherwise specified)

Symbol	Test Condition	Quadrant	Value		Unit
I_{GT}	$V_D=12V$ $R_L=33$	- -	MAX.	35	mA
V_{GT}		- -	MAX.	1	V
V_{GD}	$V_D=V_{DRM}$ $T_j=125$ $R_L=3.3k$	- -	MIN.	0.2	V
I_L	$I_G=1.2I_{GT}$	-	MAX.	50	mA
				60	
I_H	$I_T=500mA$		MAX.	35	mA
dV/dt	$V_D=400V$ Gate Open $T_j=125$		MIN.	1000	V/s
$(di/dt)_c$	$G9$ GWF $j=125V$ 7		MIN.	10	A/ms
t_{on}	$I_G=40mA$ $I_A=200mA$ $I_R=20mA$ $T_j=25$		TYP.	3	s
t_{off}				30	

STATIC CHARACTERISTICS

Symbol

ORDERING INFORMATION

<u>J</u>	<u>ST</u>	<u>12</u>	<u>C</u>	<u>-600</u>	<u>CW</u>
JieJie Microelectronics Co., Ltd.	Triacs				
	<u>IT(RMS):12A</u>				
		<u>C:TO-220C</u>			
				<u>600:VDRM /VRRM 1600V</u>	
					<u>CW:IGT1-3 035mA</u>

MARKING

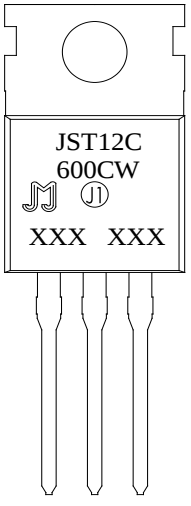
 The diagram shows a TO-220C package with the following markings: JST12C, 600CW, the JieJie logo (M and J), and two sets of three characters (XXX XXX).	<u>XXX</u> <u>XXX</u> Year ——— Month ——— Production Code
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FIG.1: Maximum power dissipation versus RMS on-state current

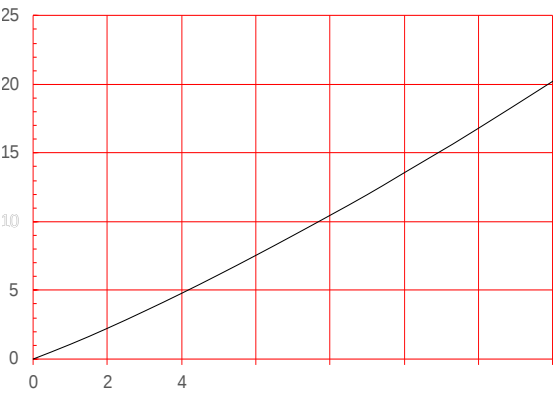


FIG.2: RMS on-state current versus case temperature

JST12C-600CW

Jie Jie M

JST12C-600CW

JST12C-600CW

Jie Jie M

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