-600CW 30A TRIAC

Rev.A.1.1

TION:

0A-600CW triac is suitable for general purpose AC
It can be used as an ON/OFF function in
ns such as heating regulation, induction motor
cuits, for phase control operation in light dimmers,
ed controllers. JST30A-600CW snubberless triac is
recommended for use on inductive loads. By using
ceramic pad, JST30A-600CW provides a rated
voltage of 2500 VRMS, complying with UL standards
252906). Package TO-220A is RoHS compliant.

ATURES

E MAXIMUM RATINGS

Parameter -5(i)6(3)-1 (0)]TJ 0 Tc 1 Tw 4.89 0 Td ( )Tj EMC /P <8/MCID 14 >>

Peak gate power	P_{GM}	10	W
Peak pulse voltage (T_j=25 ; non-repetitive,off-state;FIG.7)	V_{pp}	2.5	kV

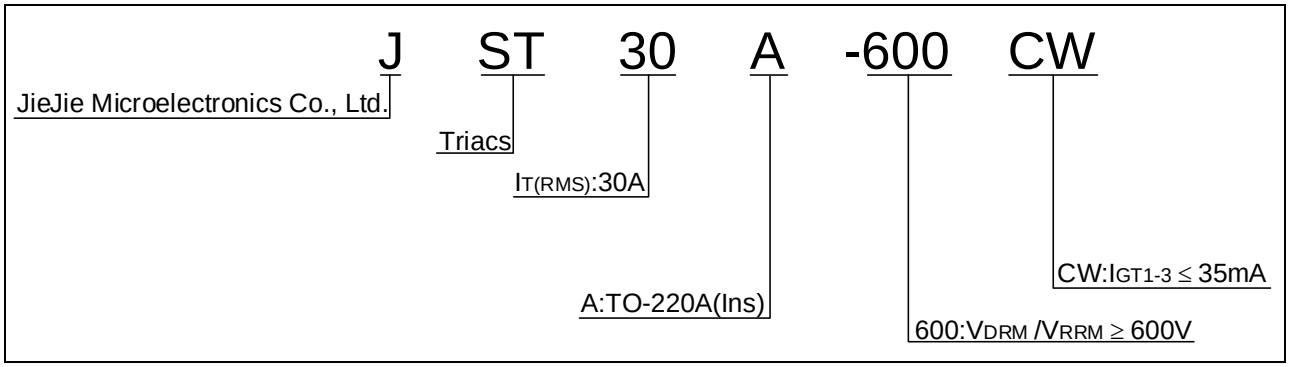
ELECTRICAL CHARACTERISTICS (T_j=25 unless otherwise specified)

Symbol	Test Condition	Quadrant	Value		Unit
I_{GT}	V_D =12V R_L =33Ω	- -	MAX.	35	mA
V_{GT}		- -	MAX.	1.3	V
V_{GD}	V_D =V_{DRM} T_j =125 R_L =3.3kΩ	- -	MIN.	0.15	V
I_L	I_G =1.2I_{GT}	-	MAX.	70	mA
				80	
I_H	I_T =500mA		MAX.	50	mA
dV/dt	V_D=400V Gate Open T_j =125		MIN.	1500	V/μs
(dI/dt)c	(dV/dt)c=20V/μs T_j=125		MIN.	15	A/ms
t_{on}	I_G=40mA I_A=200mA I_R=20mA T_j=25		TYP.	7	μs
t_{off}				50	

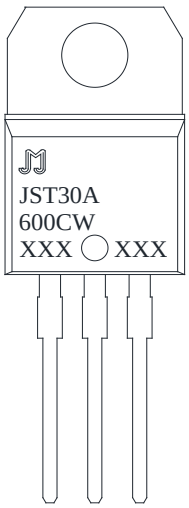
STATIC CHARACTERISTICS

Symbol	Parameter	Value(MAX.)	Unit

ORDERING INFORMATION



MARKING



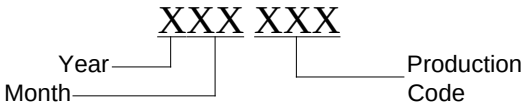
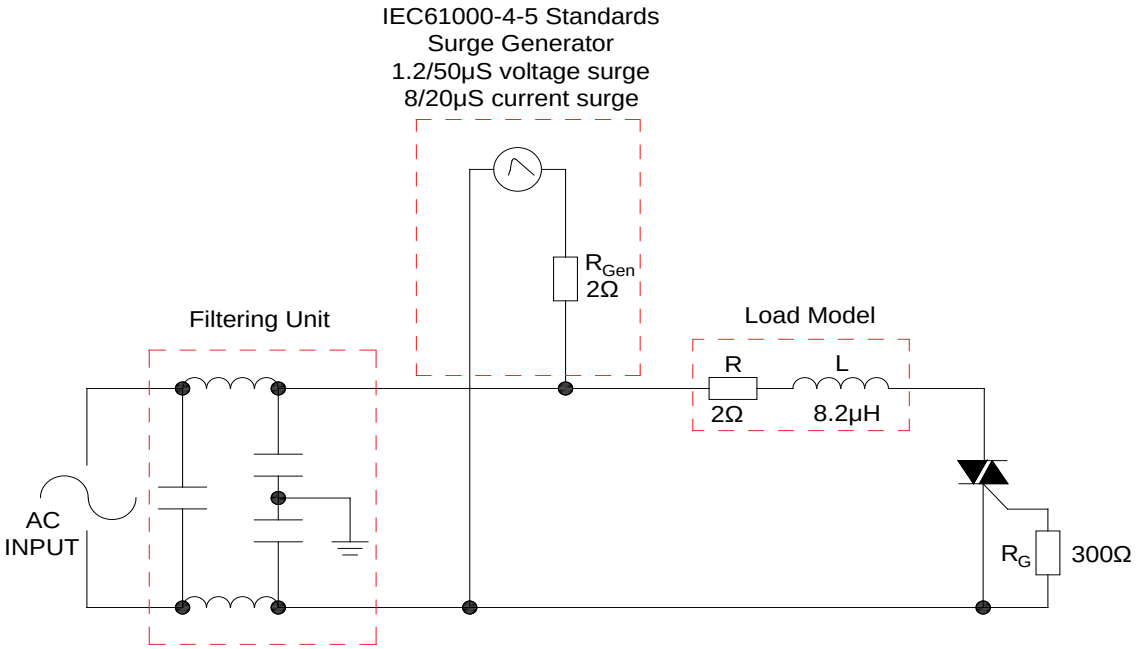


FIG.7 Test circuit for inductive and resistive loads to IEC-61000-4-5 standards



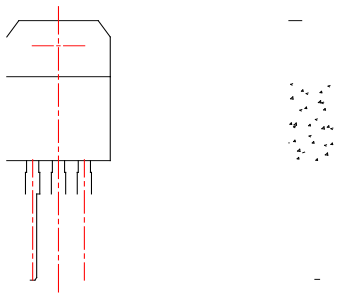
LEAD FORMING AND SOLDERING

Refer to the application note “Assembly Instructions for Thyristors in Through-hole Package” released by JieJie Microelectronics

ORDERING INFORMATION



PACKAGE MECHANICAL DATA



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