JST30C-1600BW 30A TRIAC

Rev.A.-

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 =33q	- -	MAX.	50	mA
V_{GT}		- -	MAX.	1.3	V
V_{GD}	V_D =V_{DRM} T_j =125 R_L =3.3kq	- -	MIN.	0.15	V
I_L	I_G =1.2I_{GT}	-	MAX.	90	mA
				100	
I_H	I_T =500mA		MAX.	80	mA
dV/dt	V_D=1070V Gate Open T_j =125		MIN.	1200	V/εs
(dI/dt)c	(dV/dt)c=20V/εs T_j=125		MIN.	28	A/ms
t_{on}	I_G=80mA I_A=400mA I_R=40mA T_j=25		TYP.	10	εs
t_{off}				70	

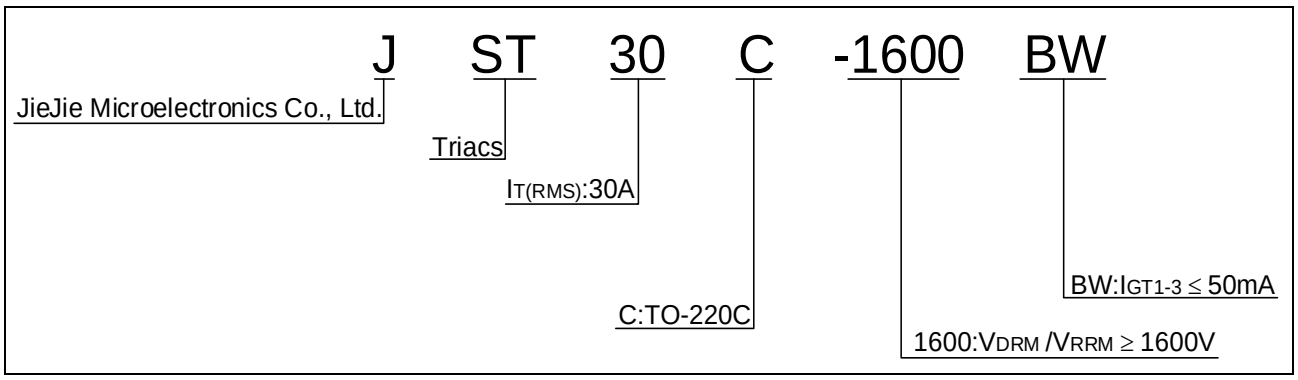
STATIC CHARACTERISTICS

Symbol	Parameter		Value(MAX.)	Unit
V_{TM}	I_{TM} =42A t_p=380εs	T_j=25	1.8	V
V_{TO}	Threshold voltage	T_j=125	0.77	V
R_D	Dynamic resistance	T_j=125	35	mq
I_{DRM}	V_D =V_{DRM} V_R =V_{RRM}	T_j=25	20	εA
I_{RRM}		T_j=125	8	mA

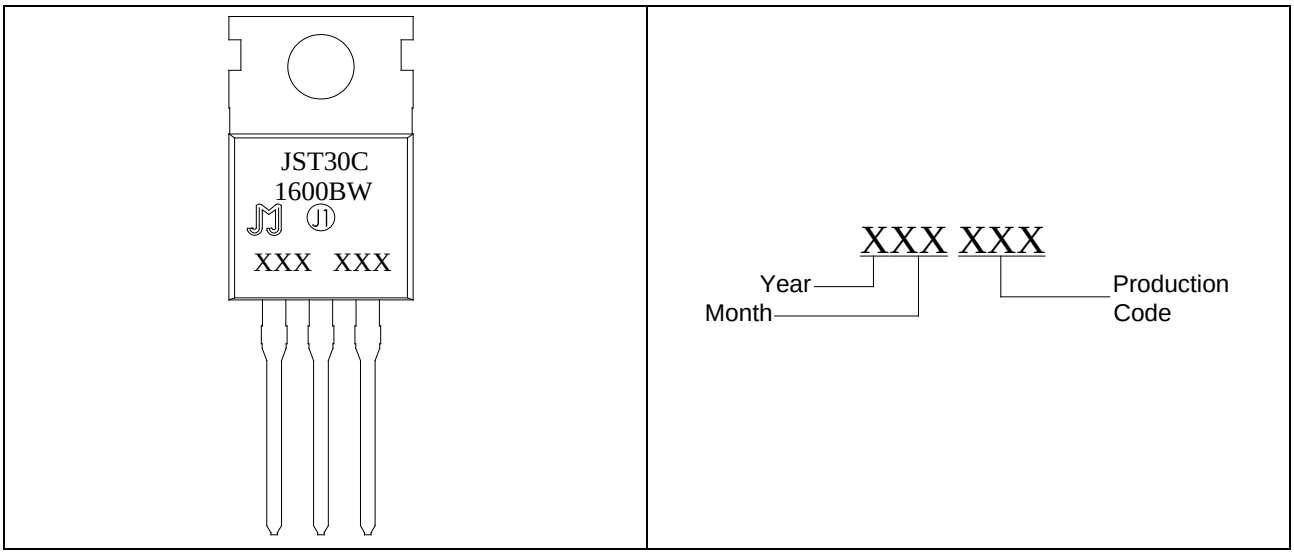
THERMAL RESISTANCES

Symbol	Parameter	Value	Unit
$R_{th(j-c)}$	junction to case (AC)	0.6	/W
$R_{th(j-a)}$	junction to ambient (AC)	60	/W

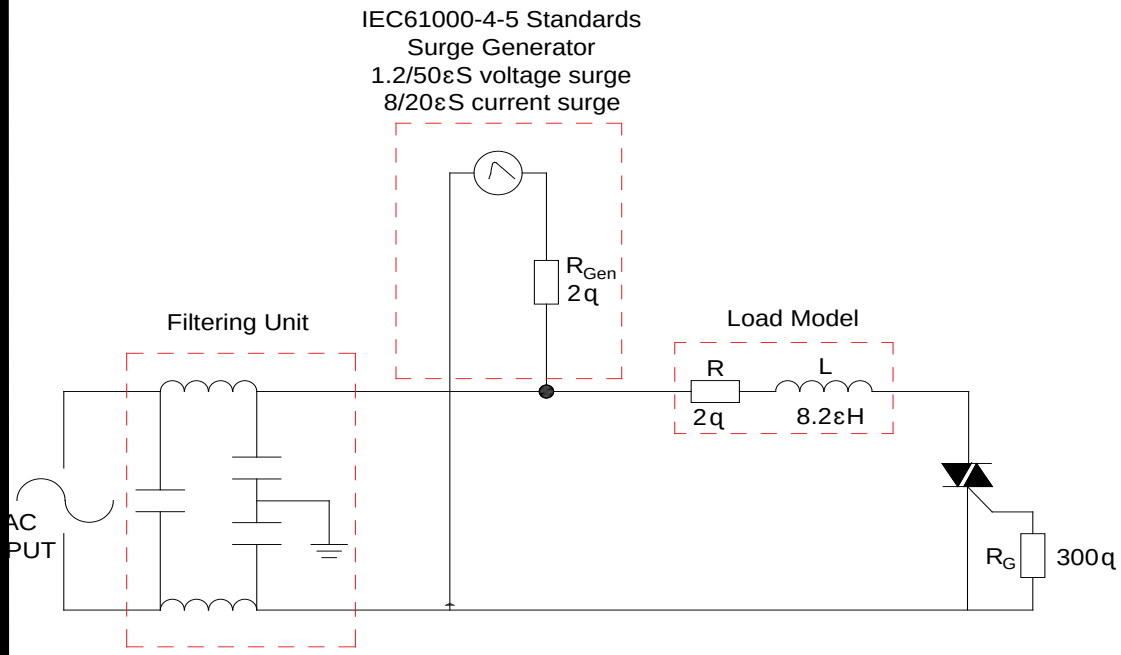
ORDERING INFORMATION



MARKING



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



PACKAGE MECHANICAL DATA

