JST138C-600D 12A TRIAC

Rev.A.1.1

DESCRIPTION:

MAIN FEATURES

ABSOLUTE MAXIMUM RATINGS

Parameter		Symbol	Value	Unit

ELECTRICAL CHARACTERISTICS (Tj=25℃ Unless otherwise noted)

Symbol	Test Condition	Quadrant	Value		Unit
I_{GT}	V_D=12V R_L=33Ω	I - II - III -	MIN.	5	mA
		IV		10	
V_{GT}		ALL	MAX.	1.3	V
V_{GD}	V_D=V_{DRM} Tj=125℃ R_L=3.3kΩ	ALL	MIN.	0.2	V
I_L	I_G=1.2 I_{GT}	I - II - III -	MAX.	15	mA
		IV		20	
I_H	I_T=500mA		MAX.	10	mA
dV/dt	V_D=67%V_{DRM} Gate Open Tj=125℃		MIN.	600	V/μs
(dI/dt)c	Without Snubber Tj=125℃		MIN.	2.7	A/ms
t_{gt}	I_G=200mA I_A=200mA I_R=200mA Tj=25℃		TYP.	3	μs
t_{rr}				80	

STATIC CHARACTERISTICS

Symbol	Parameter		Value(MAX.)	Unit
V_{TM}	I_{TM}=8.5A Pulse Width=300μs	Tj=25℃	1.6	V
V_{TO}	Threshold Voltage	Tj=125℃	0.8	V
R_D	Dynamic Resistance	Tj=125℃	41	mΩ
I_{DRM}	V_D=V_{DRM} V_R=V_{RRM}	Tj=25℃	5	μA
I_{RRM}		Tj=125℃	0.4	mA

JST138C-600D

FIG.1:

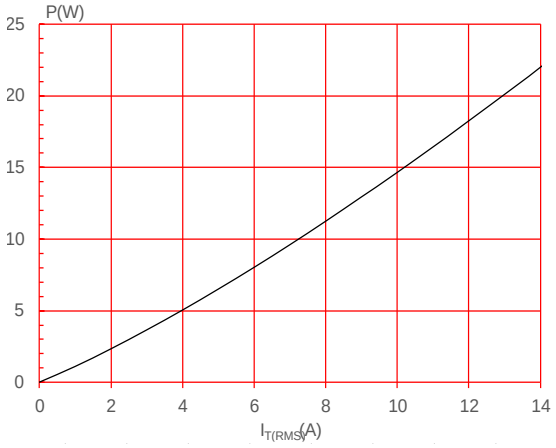
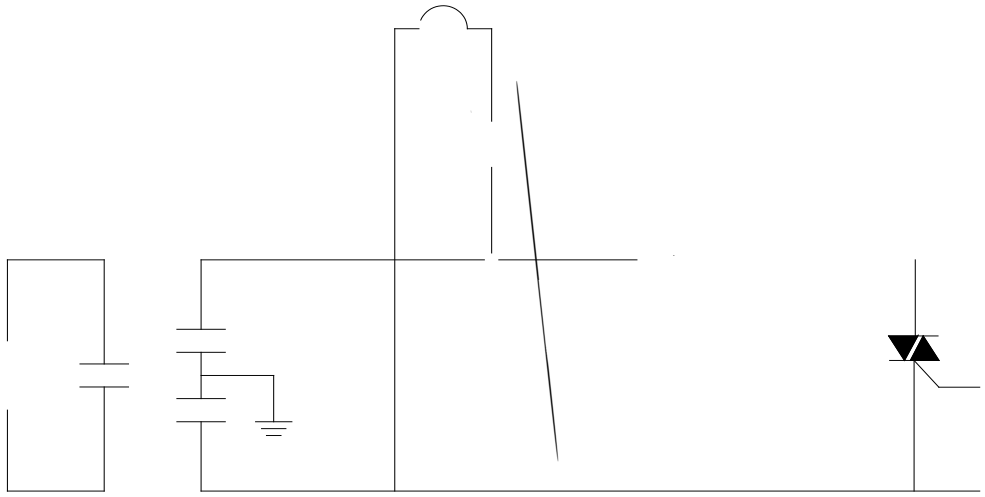


FIG.2:



ORDERING INFORMATION

Order code	Voltage V_{DRM}/V_{RRM} (V)	IGT(mA)		Package	Base qty. (pcs)	Delivery mode
		- -				
JST138C-600D	600	5	10	TO-220C	50	Tube

PACKAGE MECHANICAL DATA

