JST134H-600T 4A TRIAC

Rev.A.1.1

DESCRIPTION:

The JST134H-600T 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. From T2 terminals to external heatsink. Package TO-251 is RoHS compliant.

MAIN FEATURES

ABSOLUTE MAXIMUM RATINGS

Parameter	Symbol	Value	Unit
Storage junction temperature range	T_{stg}	-40-150	℃
Operating junction temperature range	T_j	-40-125	℃
Repetitive peak off-state voltage (T_j=25℃)	V_{DRM}	600	V
Repetitive peak reverse voltage (T_j=25℃)	V_{RRM}	600	V
RMS on-state current (T_C≤84℃)	$I_{T(RMS)}$	4	A
Non repetitive surge peak on-state current (full cycle , t_p=20ms , T			

ELECTRICAL CHARACTERISTICS (T_j=25℃ unless otherwise specified)

Symbol	Test Condition	Quadrant	Value		Unit
I_{GT}	V_D=12V R_L=33Ω	ALL	MAX.	5	mA
V_{GT}		ALL	MAX.	1	V
V_{GD}	V_D=V_{DRM} T_j=125℃ R_L=3.3kΩ	ALL	MIN.	0.2	V
I_L	I_G=1.2I_{GT}	Ⅰ-Ⅲ-Ⅳ	MAX.	9	mA
		Ⅱ		13	
I_H	I_T=100mA		MAX.	5	mA
dV/dt	V_D=400V Gate Open T_j=110℃		MIN.	30	V/μs
(dV/dt)c	(dI/dt)c=1.8A/ms, T_j=110℃		MIN.	1.2	V/μs
t_{on}	I_G=1 A 0 m s ,				

ORDERING INFORMATION

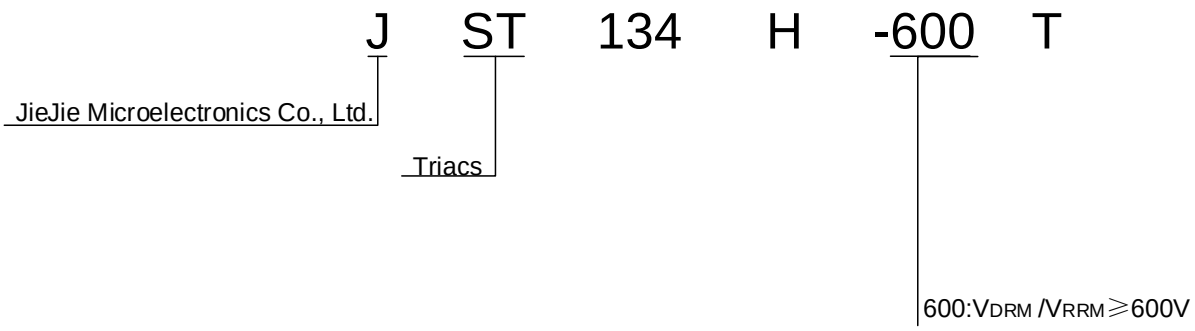
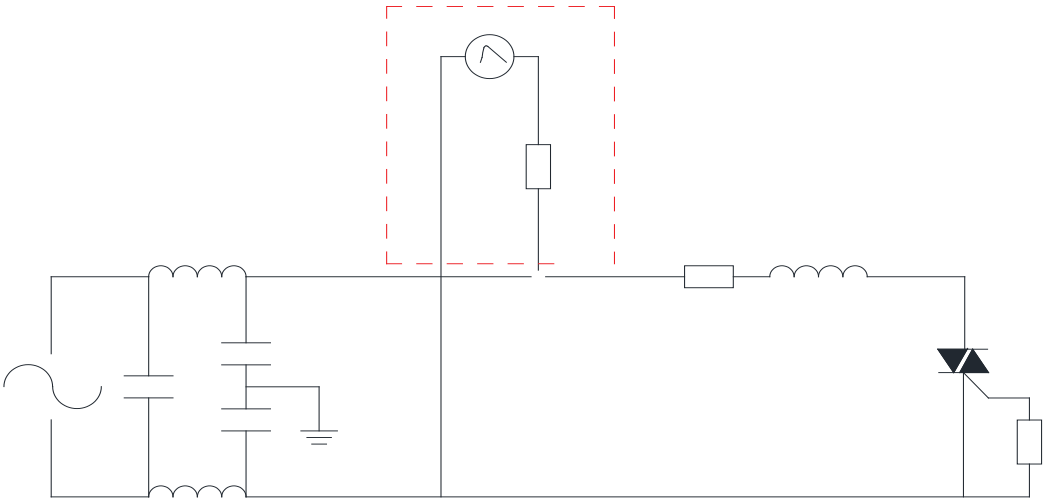


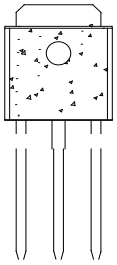
FIG.7：Test circuit for inductive and resistive loads to IEC-61000-4-5 standards



ORDERING INFORMATION

Order code	Voltage V_{DRM}/V_{RRM} (V)	IGT(mA)	Package	Base qty. (pcs)	Delivery mode
		- - -			
JST134H-600T	600	5	TO-251	80	Tube

PACKAGE MECHANICAL DATA



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