JST08H-800C 8A TRIAC

Rev.A.1.1

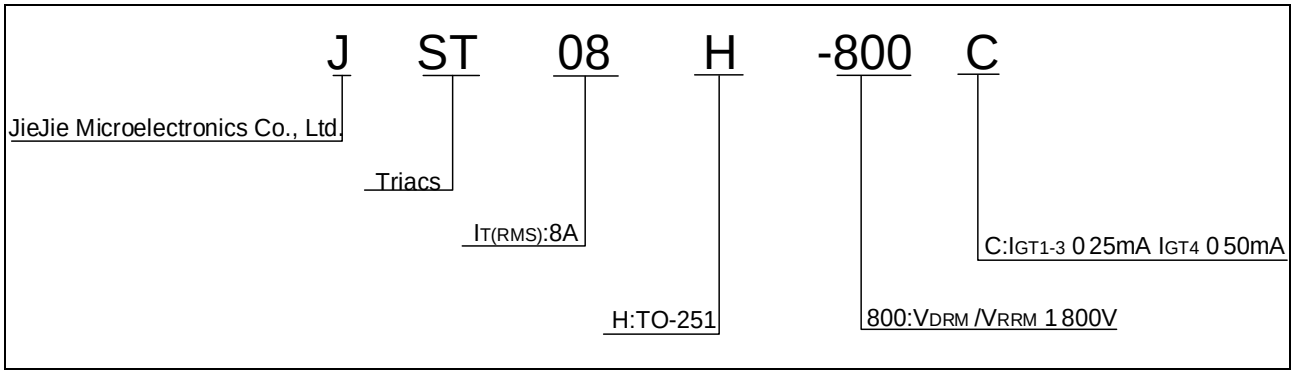
DESCRIPTION:

The JST08H-800C 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

ELECTRICAL CHARACTERISTICS (T_j=25 unless otherwise specified)

Symbol	Test Condition	Quadrant	Value		Unit
I_{GT}	V_D=12V R_L=33Ω	- -	MAX.	25	mA
				5 0	
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}	- -	MAX.	40	mA
				8 0	
I_H	I_T=200mA		MAX.	30	mA
dV/dt	V_D=540V Gate Open T_j=125		MIN.	500	V/μs
(dV/dt)c	(dI/dt)c=3.5A/ms, T_j=125		MIN.	6	V/μs
t_{on} t_{off}	I_G=80mA I_A=400mA I_R=40mA T_j=25		TYP.	5	μs

ORDERING INFORMATION



MARKING

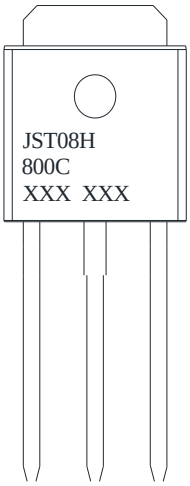


FIG.1: Maximum power dissipation versus RMS on-state current

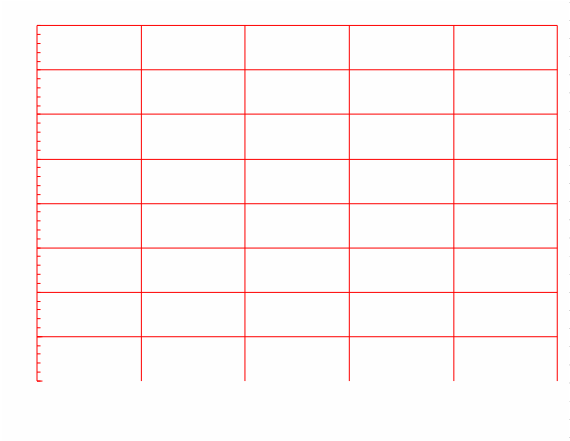
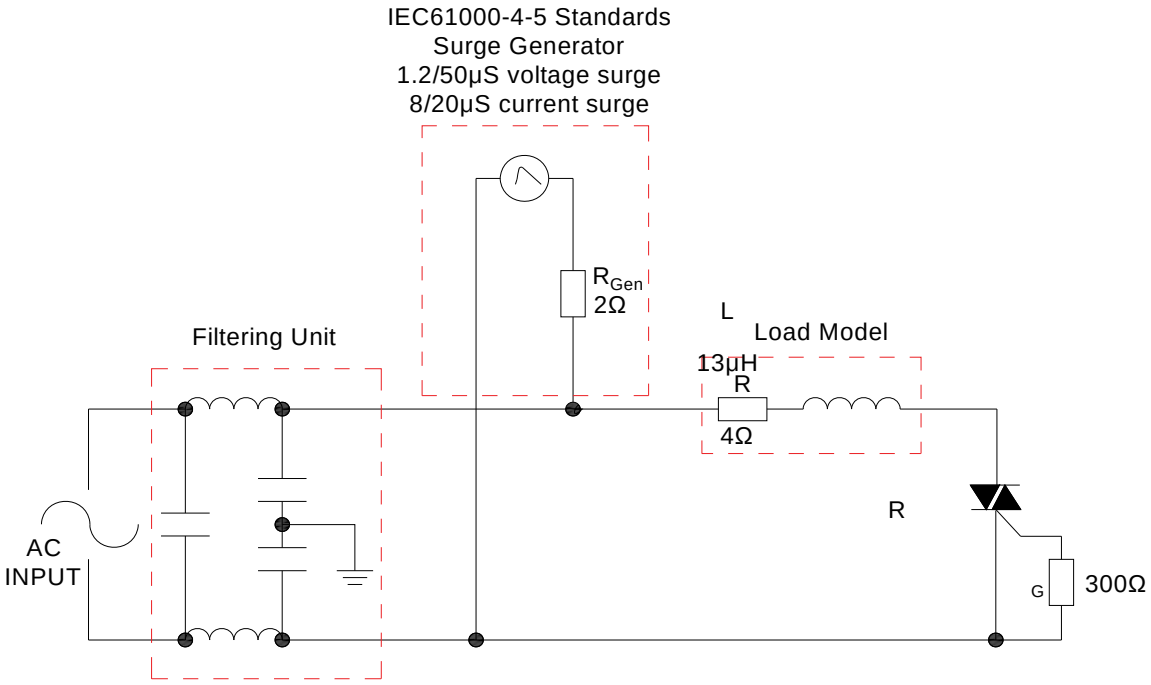


FIG.2: RMS on-state current versus case temperature

FIG.7 ÖTest 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 D] Œ } o š Œ } v] •

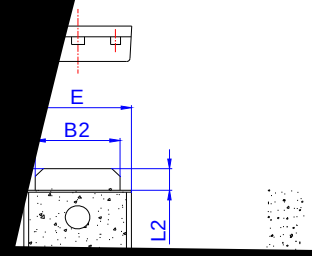
ORDERING INFORMATION

Order code	Voltage V_{DRM}/V_{RRM} (V)	IGT(mA)		Package	Base qty. (pcs)	Delivery mode
		- -				
JST08H-800C	800	25	50	TO-251	80	Tube

Document Revision History

Date	Revision	Changes
Apr.14, 2023	A.1.0	Last updated
Oct.24, 2025	A.1.1	Revise PACKAGE MECHANICAL DATA

PACKAGE NICAL DATA



Ref.	Dimens				
	Millimeters				
	Min.	Typ.	Max.		Max.
A	2.20		2.40		0.095
A2	1.00		1.30		0.051
	0.50		0.70		0.028
	5.10		5.40		0.213
	0.60		1		0.039
	16.00		1		0.669
	1.45				0.073
1					

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