JST23H-8A 25A TRIAC

Rev.A.1.1

DESCRIPTION:

The JST23H-8A 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. Compared to traditional triacs, JST23H-8A provides a very high switching capability up to junction temperatures of 150 °C. By using an internal ceramic pad, JST23H-8A provides a rated insulation voltage of 2500 VRMS, complying with UL standards (File ref: E252906). Package TO-220A is RoHS compliant.

MAIN FEATURES

ABSOLUTE MAXIMUM RATINGS

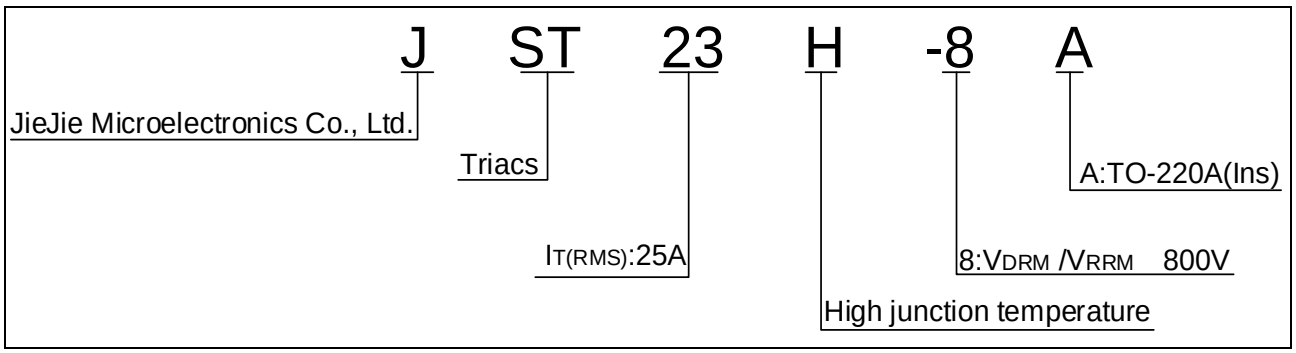
Parameter	Symbol	Value	Unit

Average gate power dissipation (T_j=150)	$P_{G(AV)}$	1	W
Peak gate power	P_{GM}	10	W
Peak pulse voltage (T_j=25 ; non-repetitive,off-state;FIG.7)	V_{pp}	2	kV

ELECTRICAL CHARACTERISTICS (T_j=25 unless otherwise specified)

Symbol	Test Condition	Quadrant	Value	Unit
I				

ORDERING INFORMATION



MARKING

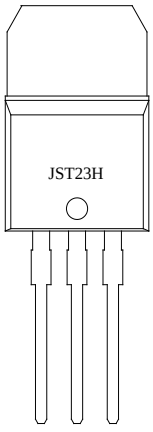


FIG.1: Maximum power dissipation versus RMS on-state current

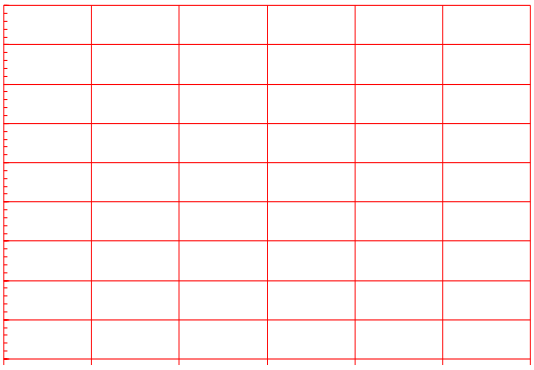
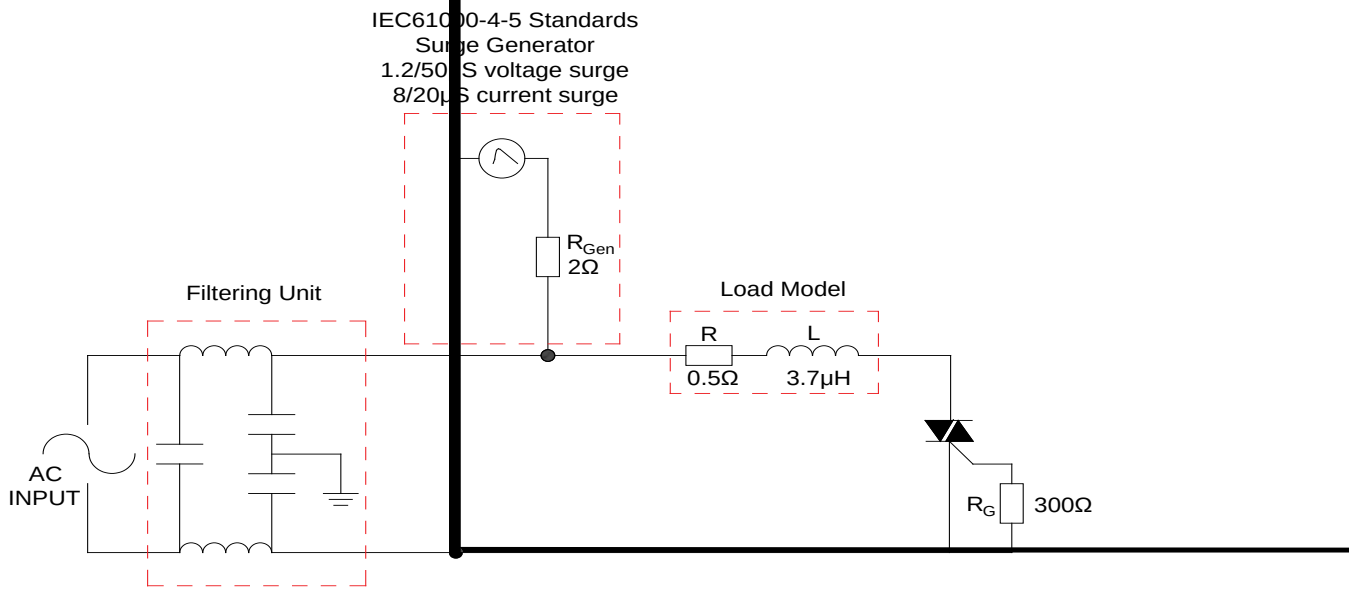


FIG.2: RMS on-state current versus case temperature

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



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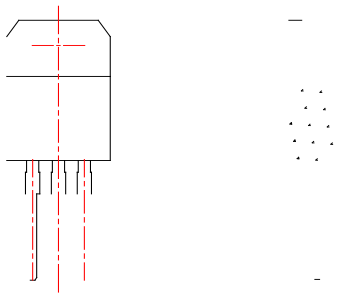
ORDERING INFORMTON

Order coe	Voltage V_{DRM}/V_{RRM} (V)	IGT(m)	Packag	Base qty. (p	Deliver mode
		- -			
JST23H-8	800	50	TO-220A(In)	50	Tube

Dument Rviitor

Dte	Revision	Cnge
Apr	A.1.0	Lasated
Oct	A.1.1	Rvise CAE ECHANCALDA

PACKAGE MECHANICAL DATA



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