



## 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

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Parameter	Symbol	Value	Unit
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# JST23H-8A

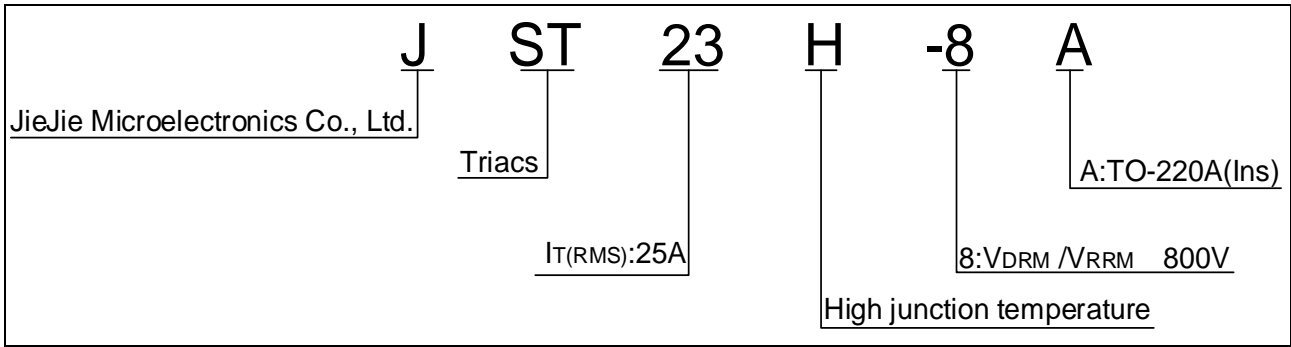
Average gate power dissipation ( $T_j=150$ )	$P_{G(AV)}$	1	W
Peak gate power	$P_{GM}$	10	W
Peak pulse voltage ( $T_j=25$ ; non-repetitive,off-state;FIG.7)	$V_{pp}$	2	kV

## ELECTRICAL CHARACTERISTICS ( $T_j=25$ unless otherwise specified)

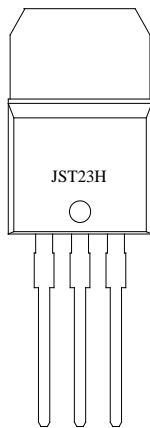
Symbol	Test Condition	Quadrant	Value	Unit
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I.48 re f Tw 8.046.48Tm31 0.99.4 0i

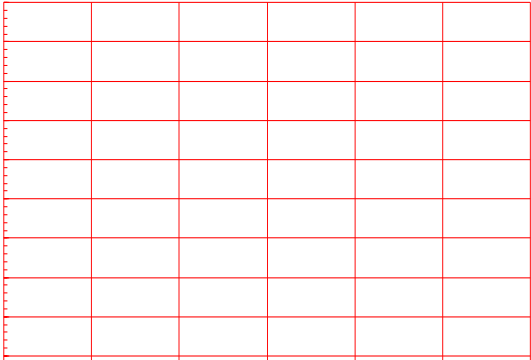
ORDERING INFORMATION



MARKING



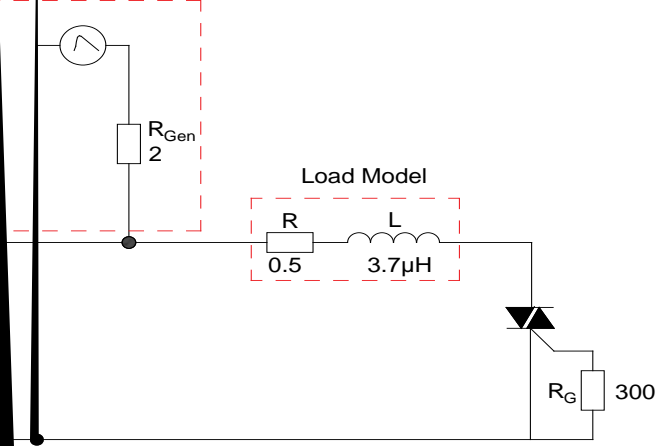
**FIG.1:** Maximum power dissipation versus RMS on-state current



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

Inductive and resistive loads to IEC-61000-4-5 standards

IEC 61000-4-5 Standards  
Surge Generator  
10/50 $\mu$ S voltage surge  
10/20 $\mu$ S current surge



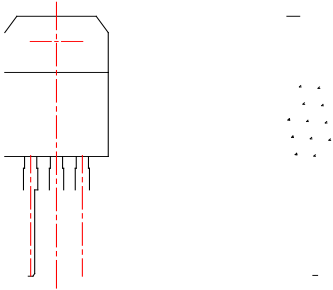
**ORDERING INFORMTON**

Order coe	Voltage V <sub>DRM</sub> /V <sub>R<sub>RM</sub></sub> (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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