



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
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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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ORDERING INFORMATION

J	ST	23	H	-8	A
JieJie Microelectronics Co., Ltd.	Triacs	$I_{T(RMS)}:25A$		8: V_{DRM} / V_{RRM} 800V	A:TO-220A(Ins)
			High junction temperature		

MARKING

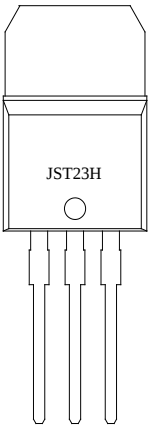


FIG.1: Maximum power dissipation versus RMS on-state current

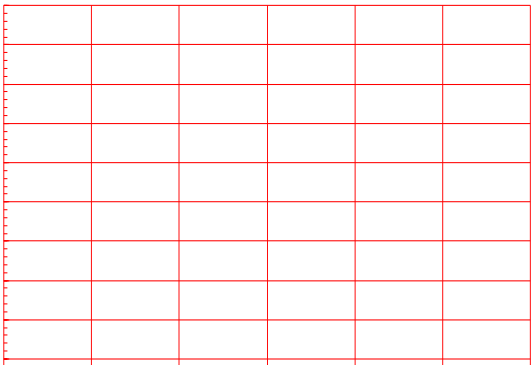
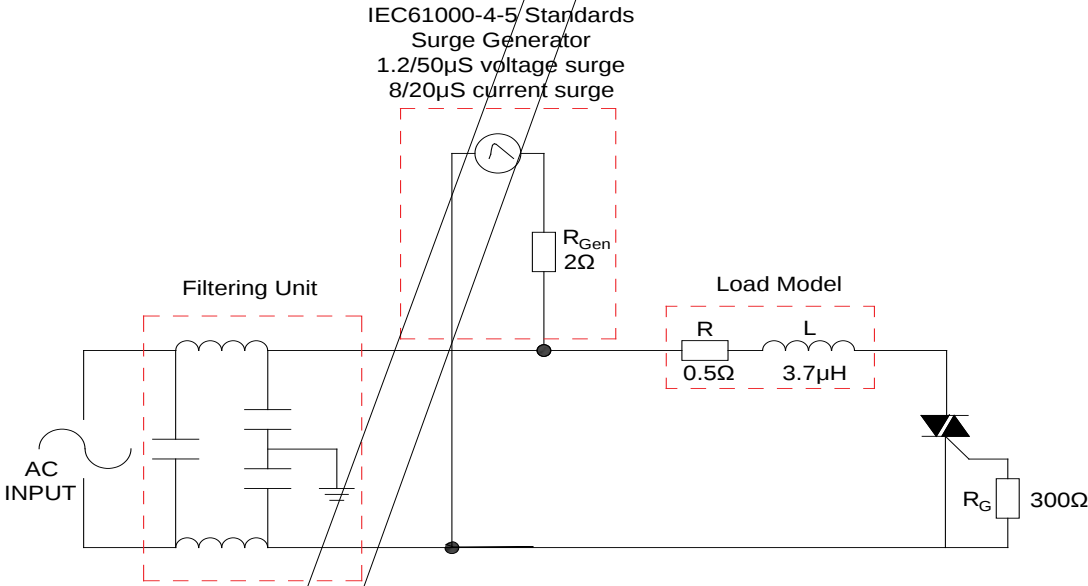


FIG.2: RMS on-state current versus case temperature



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



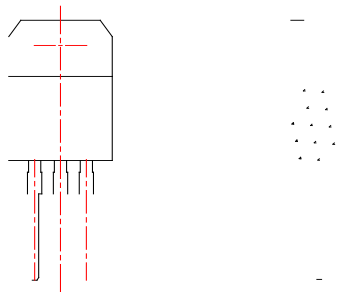
ORDERING INFORMTON

Order coe	Voltage $V_{\text{DRM}}/V_{\text{RRM}}$ (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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