JST08F-800TW 8A TRIAC

Rev.A.1.1

DESCRIPTION:

The JST08F-800TW 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. JST08F-800TW snubberless triac is especially recommended for use on inductive loads. It can be driven directly through the MCU I/O port. By using an external plastic package, JST08F-800TW provides a rated insulation voltage of 2000 VRMS, complying with UL standards (File ref: E252906).

[redacted]

	Symbol	Value	Unit
	T_{stg}	-40-150	
	T_j	-40-125	
5)	V_{DRM}800	800 V q	I BV
)	V		

ORDERING INFORMATION

J ST 08 F -800 TW

JieJie Microelectronics Co., Ltd.

Triacs

800:V_{DRM}

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

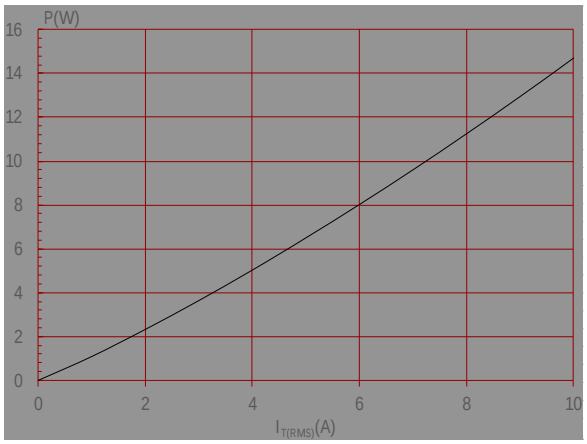


FIG.2: RMS on-state current versus case temperature

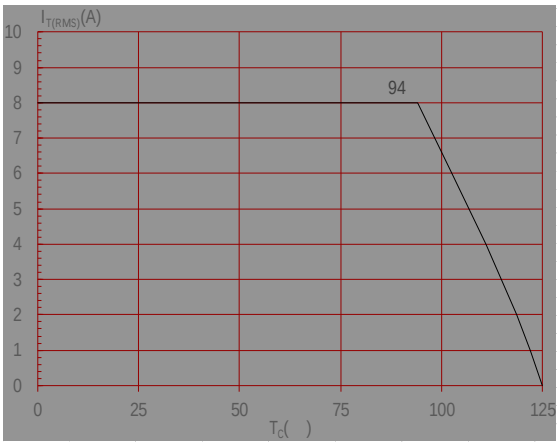


FIG.3: Surge peak on-state current versus number of cycles

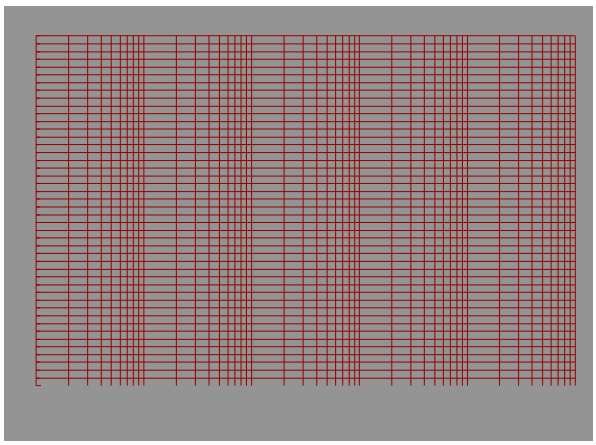
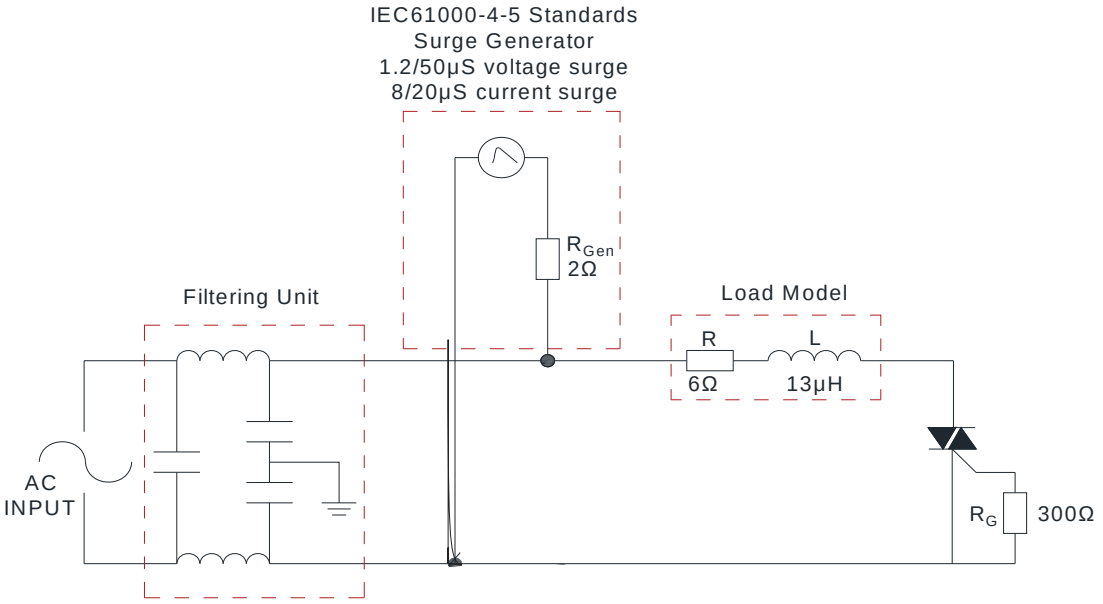


FIG.4: On-state characteristics

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
		- -			
JST08F-800TW	800	5	TO-220F(Ins)	50	Tube

Document Revision History

Date	Revision	Changes
Apr.11, 2023	A.1.0	Last updated
Oct.13, 2025	A.1.1	Revise PACKAGE MECHANICAL DATA

PACKAGE MECHANICAL DATA

