JST06H-600SW 6A TRIAC

Rev.A.1.1

DESCRIPTION:

The JST06H-600SW 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. JST06H-600SW snubberless triac is especially recommended for use on inductive loads. It can be driven directly through the MCU I/O port. From T2 terminals to external heatsink.
Package TO-251 is RoHS compliant.

MAIN FEATURES

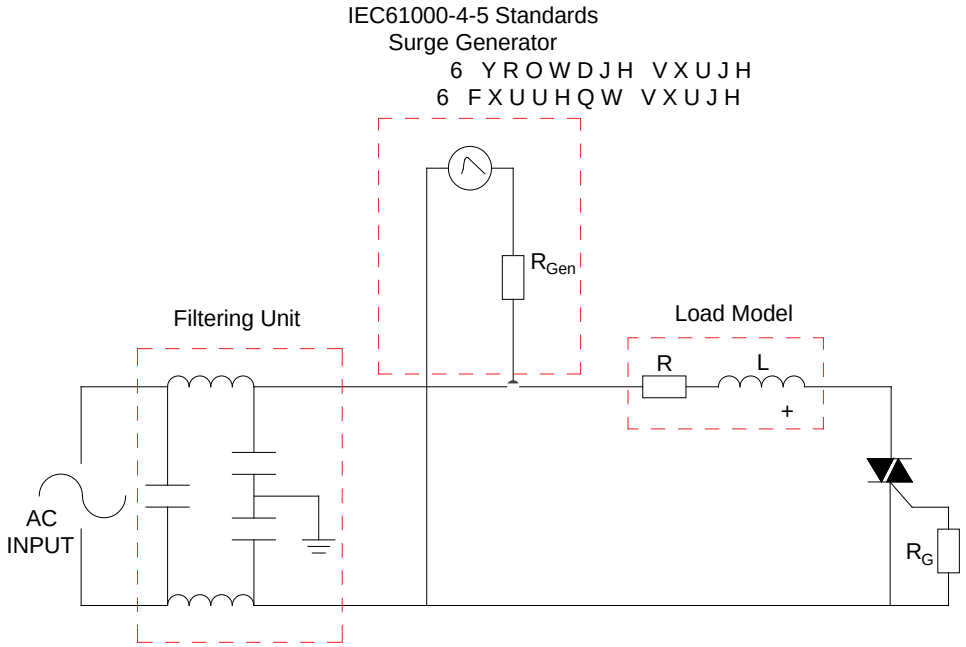
ABSOLUTE MAXIMUM RATINGS

Parameter	Symbol	Value	Unit
Storage junction temperature range	T_{stg}	-40-150	Ņ
Operating junction temperature range	T_j	-40-125	Ņ
Repetitive peak off-state voltage (T_j=25Ņ)	V_{DRM}	600	V
Repetitive peak reverse voltage (T_j=25Ņ)	V_{RRM}	600	V
RMS on-state current (T_C Ů 91Ņ)	$I_{T(RMS)}$	6	A
Non repetitive surge peak on-state current (full cycle , t_p=20ms , T_j=25Ņ) Non repetitive surge peak on-state current (full cycle , t_p=16.6ms , T_j	I_{TSM}	65	A

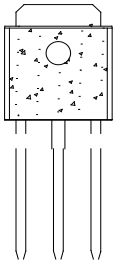
FIG.1: Maximum power dissipation versus RMS on-state current

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

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



PACKAGE MECHANICAL DATA



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