JST16A-600CW 16A TRIAC

Rev.A.1.3

DESCRIPTION:

The JST16A-600CW 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. JST16A-600CW snubberless triac is especially recommended for use on inductive loads. By using an internal ceramic pad, JST16A-600CW 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

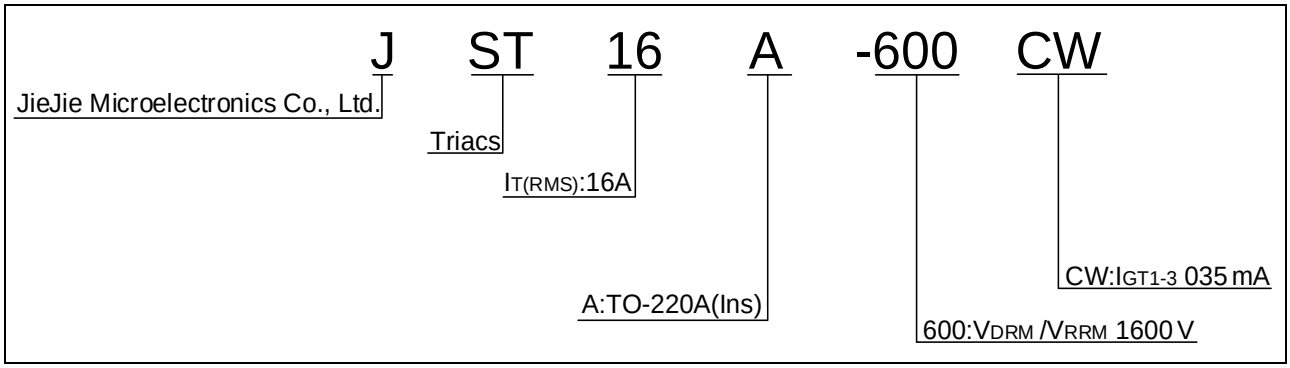
Parameter	Symbol	Value	Unit
Storage junction temperature range	T_{stg}	-40-150	
Operating junction temperature range	T_j	-40-125	
Repetitive peak off-state voltage (T_j=25)	V_{DRM}	600	V
Repetitive peak reverse voltage (T_j=25)	V_{RRM}	600	V

RMS on-state current (T_C

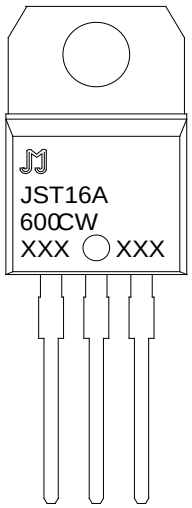
Peak gate power	P_{GM}	10	W

Pone v33.8(ol)1 Tw [(2.0Qc 0.003 Tw 12 0 0 1

ORDERING INFORMATION



MARKING



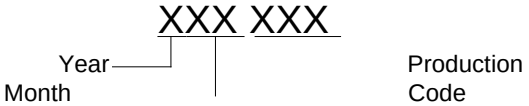
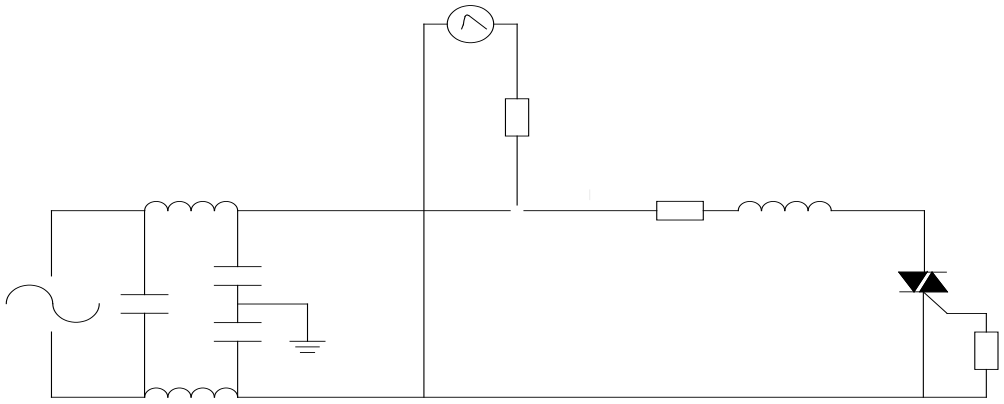


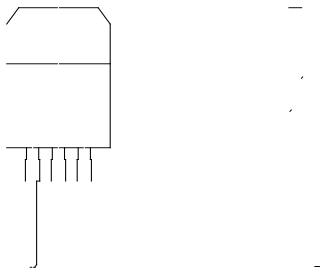
FIG.1: Maximum power dissipation versus RMS on-state current

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

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



PACKAGE MECHANICAL DATA 0.0703 0 0 -0.0301129 220.7652989 682.7113609 cm /CS0



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