JST16F-600BW 16A TRIAC

Rev.A.1.2

DESCRIPTION:

The JST16F-600BW 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. JST16F-600BW snubberless triac is especially recommended for use on inductive loads. By using an external plastic package, JST16F-600BW provides a rated insulation voltage of 2000 VRMS, complying with UL standards (File ref: E252906). Package TO-220F 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

ORDERING INFORMATION

J	ST	16	F	-600	BW
JieJie Microelectronics Co., Ltd.	Triacs	$I_{T(RMS)}$:16A	F:TO-220F(Ins)	600:V_{DRM} /V_{RRM} ≥ 600V	BW:I_{GT1-3} ≤ 50mA

MARKING

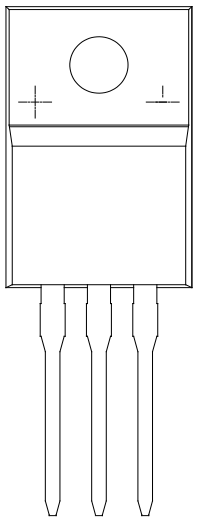


FIG.1: Maximum power dissipation versus RMS on-st9 (-)Tj 0ccurrent

FIG.2: RMS on-st9 (-)Tj 0ccurrentersus case

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

