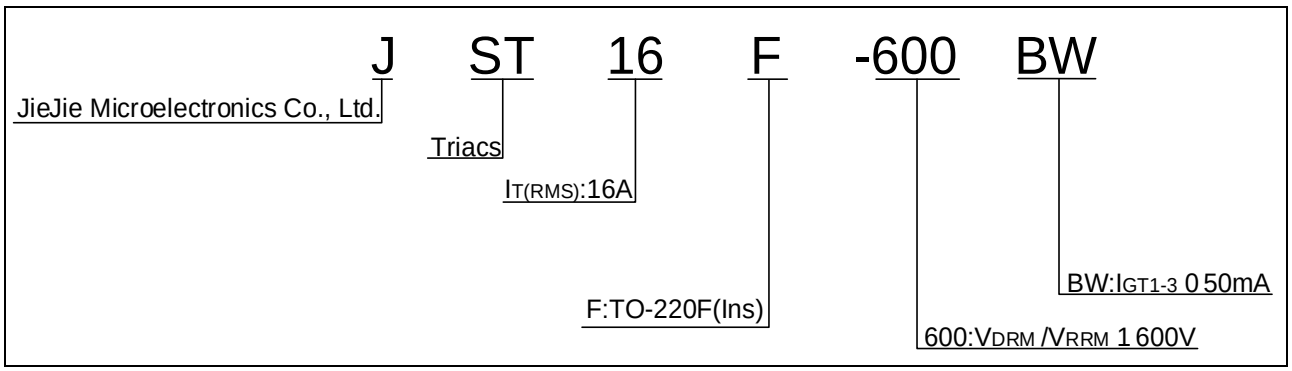
JST16F-600BW 16A TRIAC

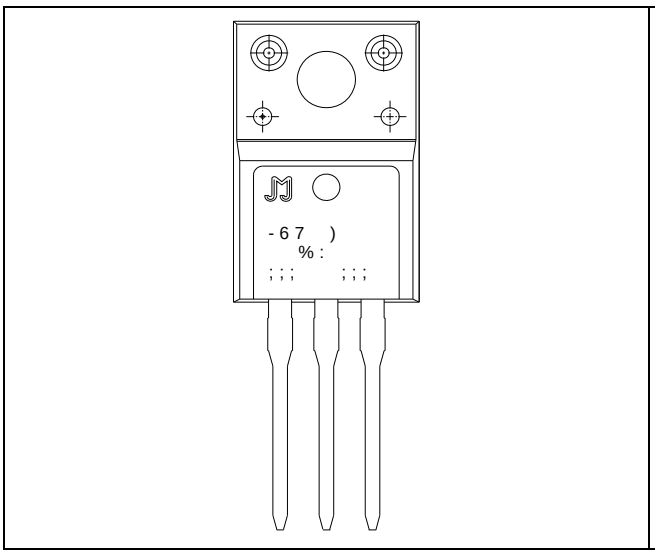
Rev.A.1.1

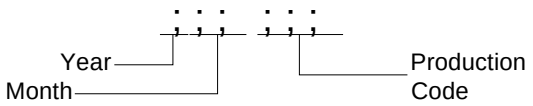
The JST16F-600BW triac is suitable for general purpose AC switching. It can be used as an ON/OFF function in applications such as heating regulation, induction motor starting circuits, for phase control operation in light dimmers, motor speed controllers. JST16F-600BW snubberless triac is especially 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.

Parameter	Symbol	Value	Unit
Storage junction temperature range	T_{stg}	-40-150	
Operating junction temperature range	T_j	-40-125	

Peak gate power	P_{GM}	10	W
Peak pulse voltage (T_j=25			


J
ST
16
F
-600
BW
JieJie Microelectronics Co., Ltd.
Triacs
IT(RMS):16A
F:TO-220F(Ins)
600:VDRM /VRRM 1 600V
BW:IGT1-3 0 50mA




Year
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ximum power dissipation versus RMS
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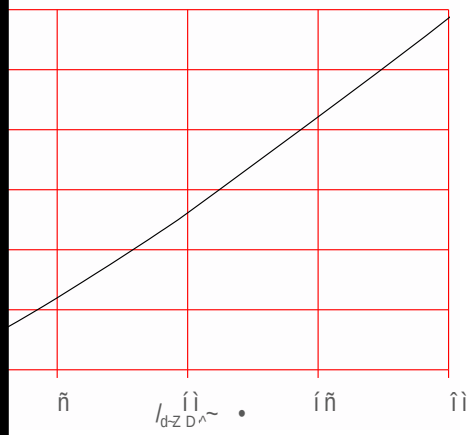


rge peak on-state current versus
cycles

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

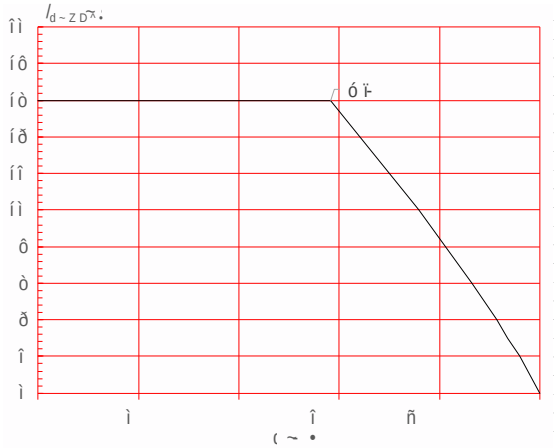
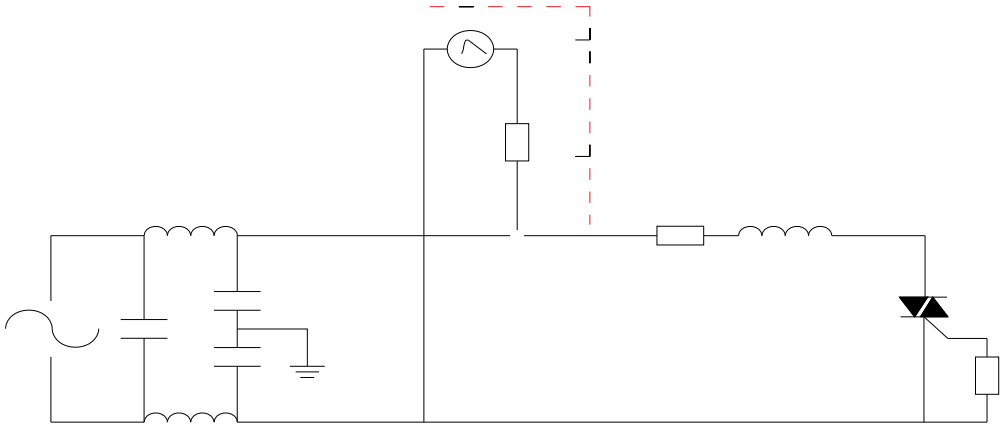


FIG.4: On-state characteristics

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



Order code	Voltage V_{DRM}/V_{RRM} (V)	IGT(mA)	Package	Base qty. (pcs)	Delivery mode

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