



JST16E-600B 16A TRIAC

Rev.A.1.1

## DESCRIPTION:

The JST16E-600B 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. Package TO-263 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 |      |
| Peak reverse voltage (at $T_j = 25^\circ C$ ) | $V_{DRM}$ | 600     | V    |





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

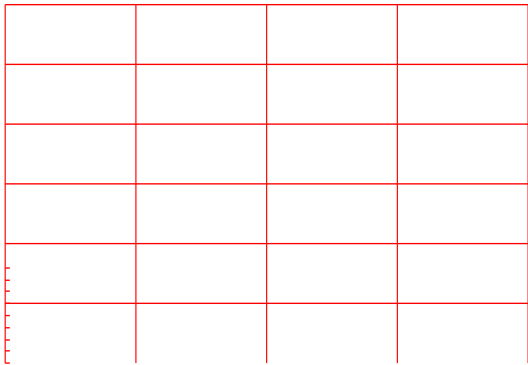
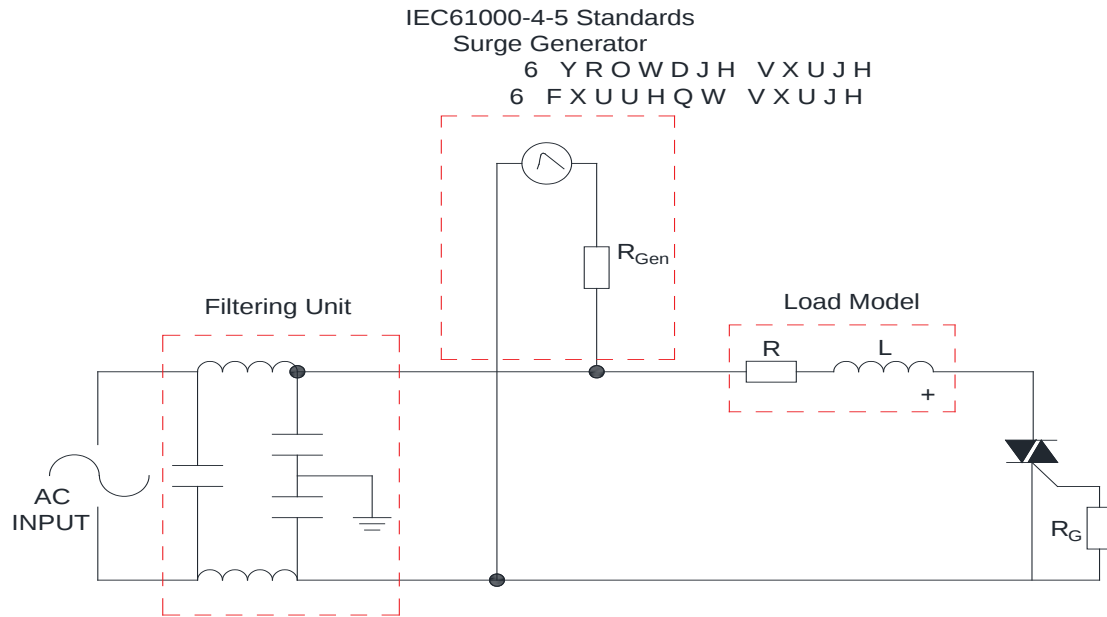


FIG.2: RMS on-state current versus case temperature

FIG.7: Relative variations of gate trigger current,  
holding current and latching current versus  
junction temperature

---

FIG.8: Test circuit for inductive and resistive loads to IEC-61000-4-5 standards





PACKAGE MECHANICAL DATA

| Ref. | Dimensions  |         |            |        |      |      |
|------|-------------|---------|------------|--------|------|------|
|      | Millimeters |         |            | Inches |      |      |
|      | Min.        | Typ.    | Max.       | Min.   | Typ. | Max. |
| A    | 9.90        |         |            |        |      |      |
| B    | 14.70       | MaxMin. | ACEEEEEEEE |        |      |      |
| C    |             |         |            |        |      |      |
| D    |             |         |            |        |      |      |
| E    |             |         |            |        |      |      |
| F    |             |         |            |        |      |      |

DELIVERY MODE

