## JST04C-600BW 4A TRIAC

Rev.A.1.1

The JST04C-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.a( c)4 (o)10 ((t)2 (r)7 oal)6 ((o)10 pe(r)7 ((t)2 (i1)6 (on i1)6 (npl)6 (i)6 ng)10 h(t)2 (

| | | | |
|---|---|---|---|
| Peak pulse voltage ($T_j$=25 ; non-repetitive,off-state;FIG.7) | $V_{pp}$ | 4 | kV |

($T_j$=25 unless otherwise specified)

| Symbol | Test Condition | Quadrant | Value | | Unit |
|---|---|---|---|---|---|
| $I_{GT}$ | $V_D$ =12V $R_L$ =33Ω | - - | MAX. | 50 | mA |
| $V_{GT}$ | | | MAX. | 1 | V |
| $V_{GD}$ | $R_L$ =3.3kΩ | | MIN. | 0.2 | V |
| $I_L$ | $I_G$ =1.2$I_{GT}$ | | MAX. | 70 | mA |

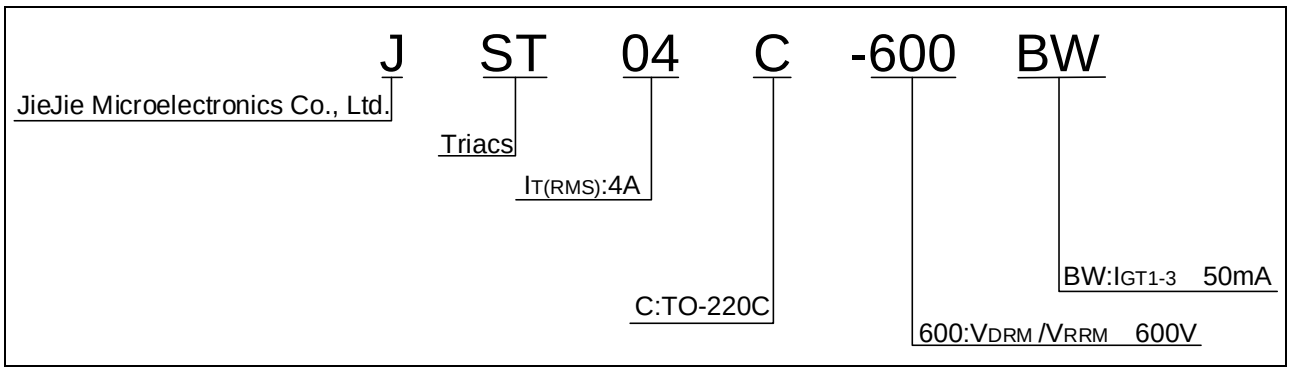

J
ST
04
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JieJie Microelectronics Co., Ltd.
Triacs
IT(RMS):4A
C:TO-220C
BW:IGT1-3 50mA
600:VDRM /VRRM 600V

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

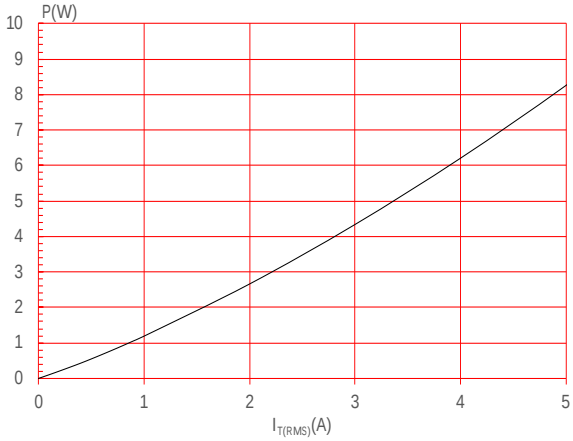



**FIG.2:** RMS on-state current versus case temperature

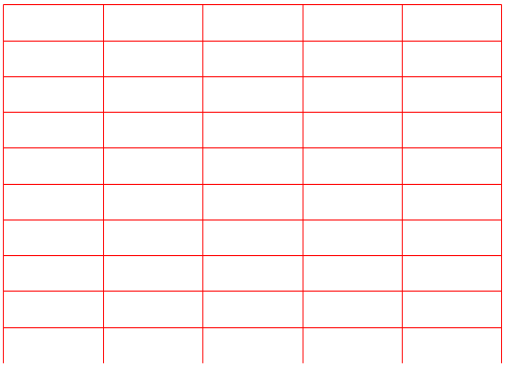
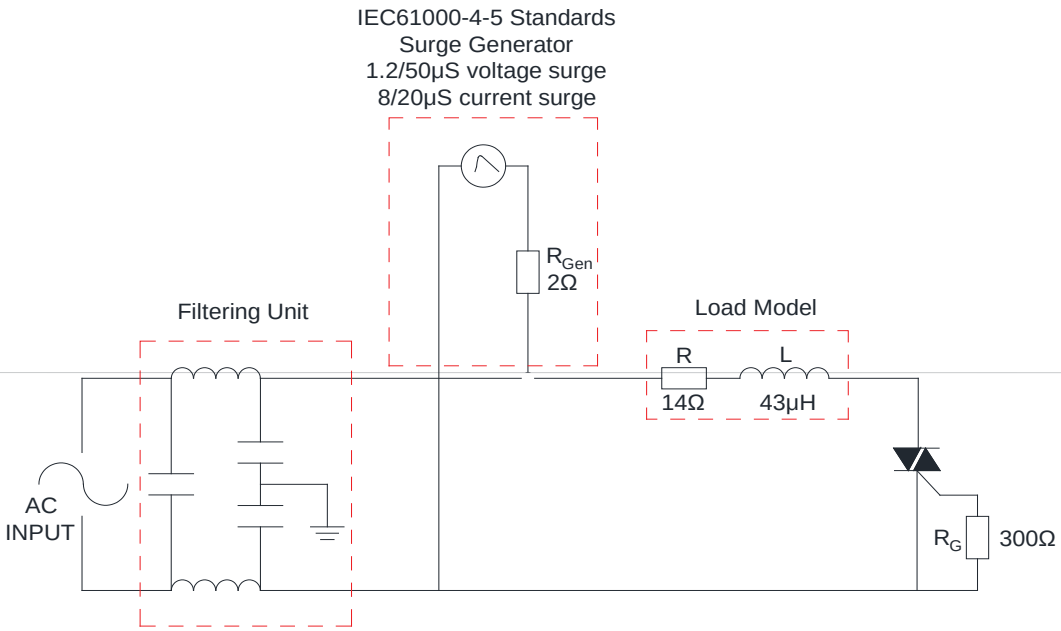


FIG.7 Test circuit for inductive and resistive loads to IEC-61000-4-5 standards



| Order code | Voltage $V_{DRM}/V_{RRM}$ (V) | IGT(mA) | Package | Base qty. (pcs) | Delivery mode |
|---|---|---|---|---|---|
| | | - - | | | |
| JST04C-600BW | 600 | 50 | TO-220C | 50 | Tube |

