## JST136C-800D 4A TRIAC

Rev.A.1.1

### DESCRIPTION:

The JST136C-800D 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. From T2 terminals to external heatsink. Package TO-220C is RoHS compliant.

### MAIN FEATURES

### ABSOLUTE MAXIMUM RATINGS

| Parameter | Symbol | Value | Unit |
|---|---|---|---|

## ELECTRICAL CHARACTERISTICS ($T_j$=25 unless otherwise specified)

| Symbol | Test Condition | Quadrant | Value | | Unit |
|---|---|---|---|---|---|
| $I_{GT}$ | $V_D$=12V $R_L$=33Ω | - - | MAX. | 5 | mA |
| | | | | 10 | |
| $V_{GT}$ | | ALL | MAX. | 1 | V |
| $V_{GD}$ | $V_D$=$V_{DRM}$ $T_j$=125 $R_L$=3.3kΩ | ALL | MIN. | 0.2 | V |
| $I_L$ | $I_G$=1.2$I_{GT}$ | - | MAX. | 15 | mA |
| | | - | | 25 | |
| $I_H$ | $I_T$=100mA | | MAX. | 15 | mA |
| dV/dt | $V_D$=540V Gate Open $T_j$=110 | | MIN. | 100 | V/μs |
| (dV/dt)c | (dI/dt)c=1.8A/ms, $T_j$=110 | | MIN. | 2.5 | V/μs |
| $t_{on}$ | $I_G$=20mA $I_A$=200mA $I_a$<</MCID 64 >>BDC .44 501d [ Tm [(=)-1 (2)]TJ -0.001 Tc 0.001 Tw 1.14 0 Td [(0m)-3 (A)]TJ 0 Tc 0 T | | | | |

## ORDERING INFORMATION

| J | ST | 136 | C | -800 | D |
|---|---|---|---|---|---|
| JieJie Microelectronics Co., Ltd. | Triacs | $I_{T(RMS)}$:4A | C:TO-220C | 800:$V_{DRM}$ /$V_{RRM}$ 800V | D:$I_{GT1-3}$ 5mA $I_{GT4}$ 10mA |

## MARKING

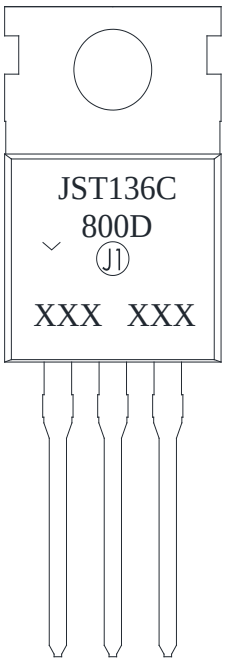
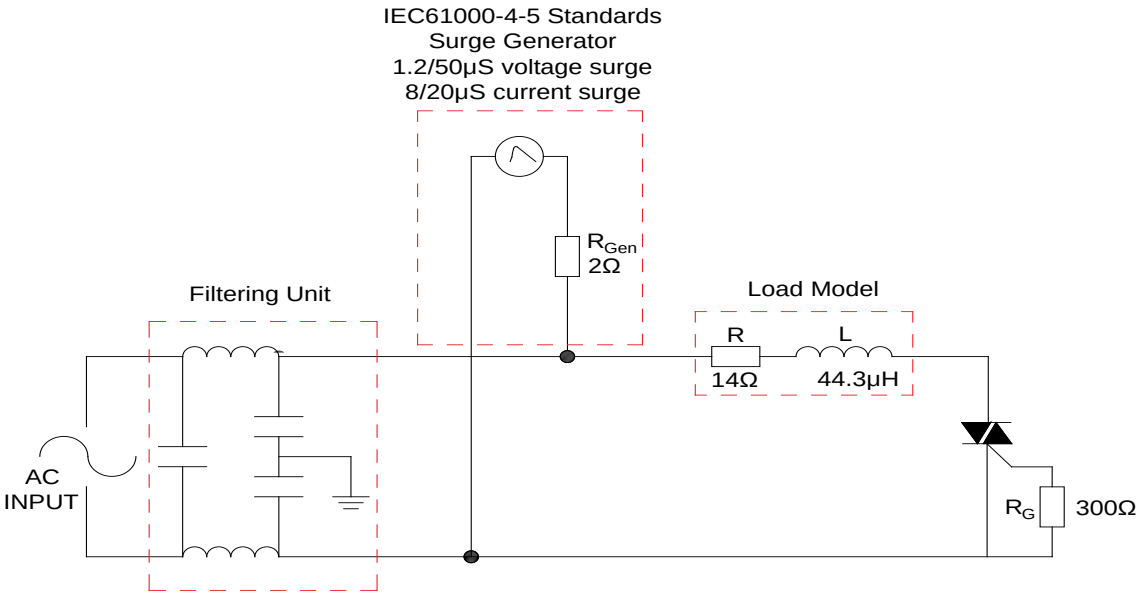


FIG.7 Test circuit for inductive and resistive loads to IEC-61000-4-5 standards



PACKAGE MECHANICAL DATA



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