



JST41SJ-600BW 40A TRIAC

Rev.A.2.1

DESCRIPTION:

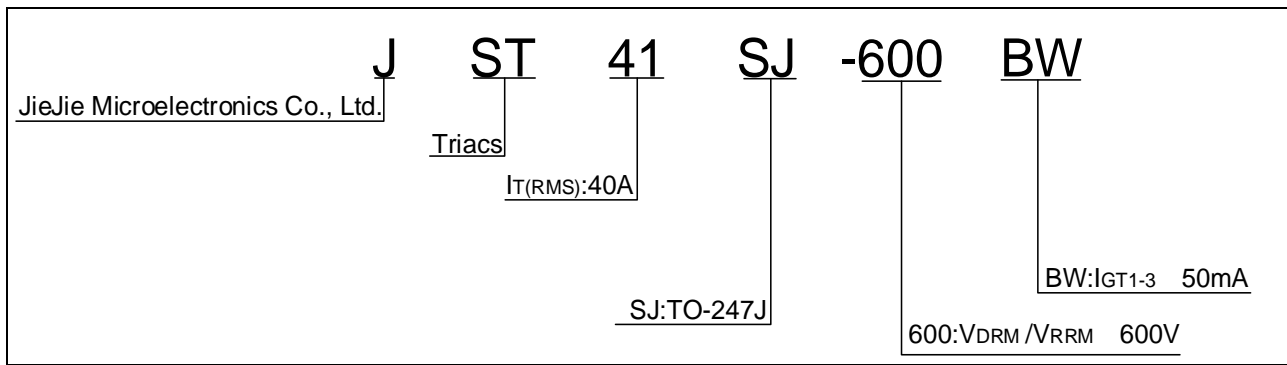
The JST41SJ-600BW triac is suitable for general purpose AC switching. It can be used as an ON/OFF function in applications such as heating regulation, induction motor starting circuits, for phase control operation in light dimmers, motor speed controllers. JST41SJ-600BW snubberless triac is especially recommended for use on inductive loads. Package TO-247J is RoHS compliant.

MAIN FEATURES

ABSOLUTE MAXIMUM RATINGS

| Parameter | Symbol | Value | Unit |
|------------------------------------|-----------|---------|------|
| Storage junction temperature range | T_{stg} | -40-150 | |

ORDERING INFORMATION



MARKING

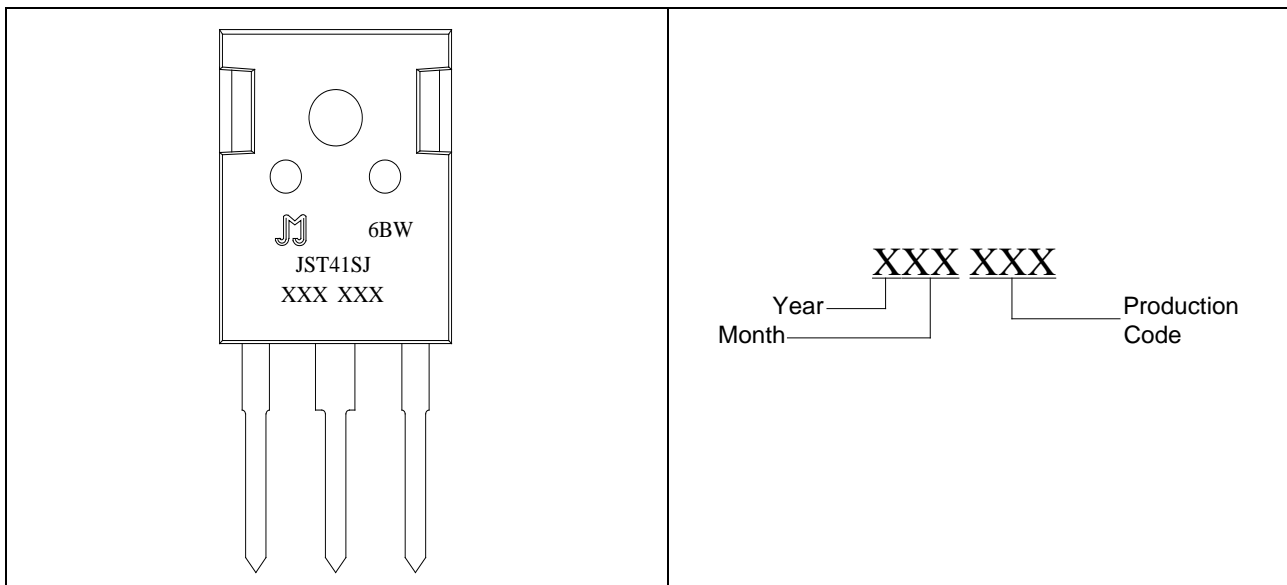
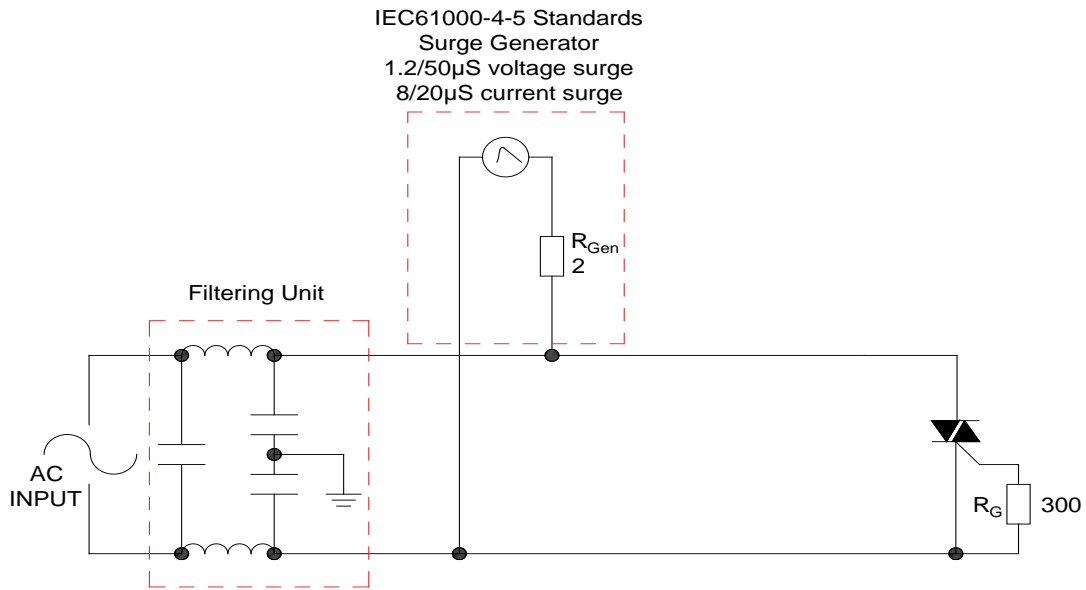


FIG.1: Maximum power dissipation versus RMS on-state current

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

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



LEAD FORMING AND SOLDERING

Refer to the application note “Assembly Instructions for Power Discretes in Through-hole Packages” released by JieJie Microelectronics

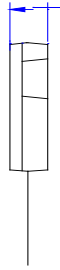
ORDERING INFORMATION

| Order code | Voltage $V_{\text{DRM}}/V_{\text{RRM}}(\text{V})$ | IGT(mA) | Package | Base qty. (pcs) | Delivery mode |
|----------------------|--|-----------|----------------|--------------------|------------------|
| | | - - | | | |
| JST41SJ-600BW | 600 | 50 | TO-247J | 30 | Tube |

Document Revision History

| Date | Revision | Changes |
|--------------|----------|---------|
| Apr.11, 2023 | A.1 | |

PACKAGE MECHANICAL DATA




| Ref. | Dimensions | | | | | |
|------|-------------|------|------|--------|------|------|
| | Millimeters | | | Inches | | |
| | Min. | Typ. | Max. | Min. | Typ. | Max. |
| A | | | | | | |
| | | | | | | |
| B1 | | | | | | |
| C | | | | | | |
| | | | | | | |
| D | | | | | | |
| E | | | | | | |
| F | | | | | | |
| G | | | | | | |

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