



## JST24A-600C 25A TRIAC

Rev.A.1.1

### DESCRIPTION:

The JST24A-600C 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. By using an internal ceramic pad, JST24A-600C provides a rated insulation voltage of 2500 VRMS, complying with UL standards (File ref: E252906). Package TO-220A is RoHS compliant.

### MAIN FEATURES

### ABSOLUTE MAXIMUM RATINGS

Parameter

Symbol

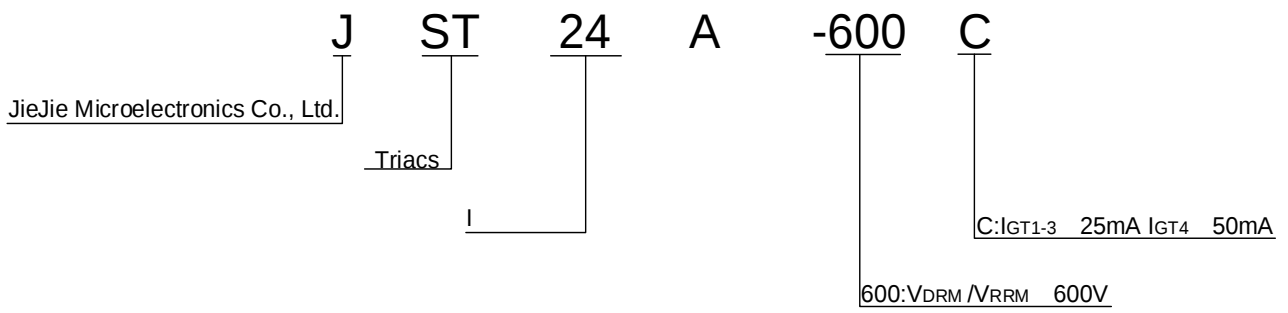
Value

|                                                                      |          |   |    |
|----------------------------------------------------------------------|----------|---|----|
| Peak pulse voltage<br>( $T_j=25$ ; non-repetitive, off-state; FIG.7) | $V_{pp}$ | 2 | kV |
|----------------------------------------------------------------------|----------|---|----|

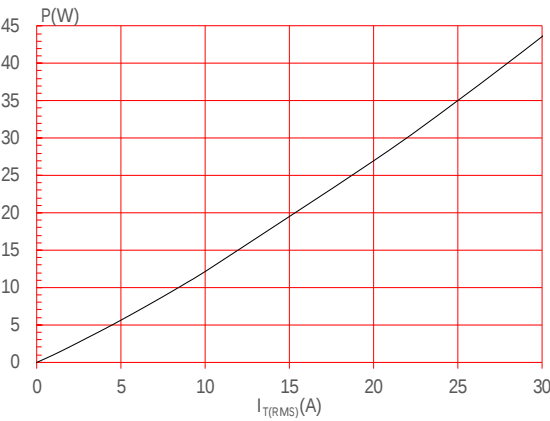
**ELECTRICAL CHARACTERISTICS** ( $T_j=25$  unless otherwise specified)

| Symbol   | Test Condition           | Quadrant | Value   | Unit |
|----------|--------------------------|----------|---------|------|
| $I_{GT}$ | $V_D=12V$ $R_L=33\Omega$ | - -      | MAX. 25 | mA   |

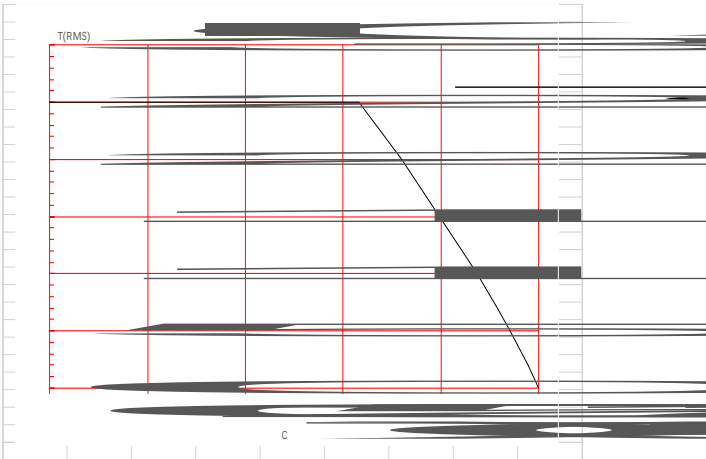
ORDERING INFORMATION



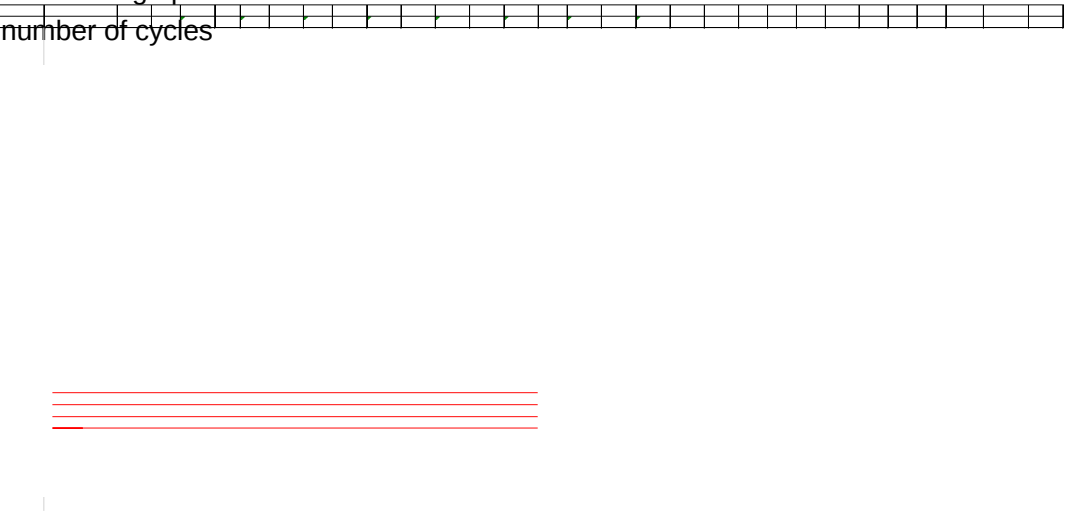
**FIG.1:** Maximum power dissipation versus RMS on-state current



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



**FIG.3:** Surge peak on-state current versus number of cycles

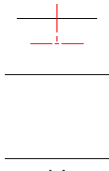


**FIG.4:** On-state characteristics





PACKAGE MECHANICAL DATA



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