



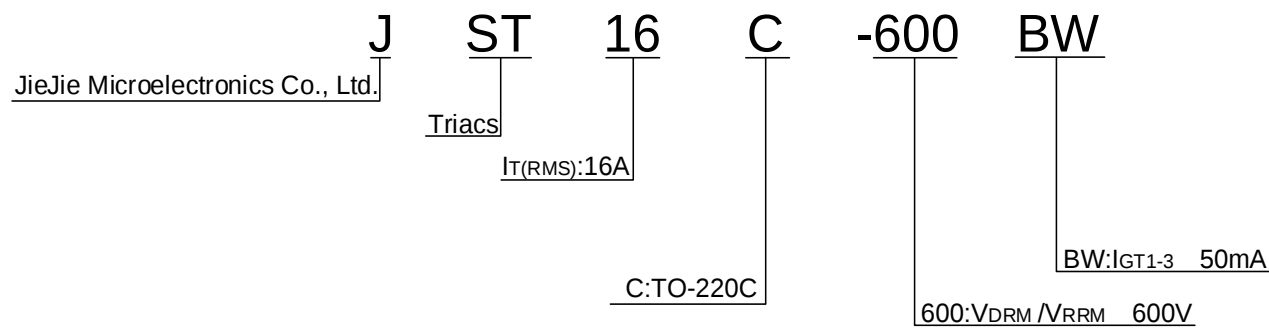
|                                                                      |          |   |    |
|----------------------------------------------------------------------|----------|---|----|
| Peak pulse voltage<br>( $T_j=25$ ; non-repetitive, off-state; FIG.7) | $V_{pp}$ | 4 | kV |
|----------------------------------------------------------------------|----------|--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

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

| Symbol          | Test Condition                                                                | Quadrant | Value |     | Unit |
|-----------------|-------------------------------------------------------------------------------|----------|-------|-----|------|
| I <sub>GT</sub> | V <sub>D</sub> =12V R <sub>L</sub> =33Ω                                       | - -      | MAX.  | 50  | mA   |
| V <sub>GT</sub> |                                                                               | - -      | MAX.  | 1   | V    |
| V <sub>GD</sub> | V <sub>D</sub> =V <sub>DRM</sub> T <sub>j</sub> =125<br>R <sub>L</sub> =3.3kΩ | - -      | MIN.  | 0.2 | V    |
| I <sub>L</sub>  | I <sub>G</sub> =1.2I <sub>GT</sub>                                            | MAX      | MAX.  | 70  | mA   |
|                 |                                                                               |          |       | 80  |      |
|                 | I <sub>T</sub> =500mA                                                         |          | MAX.  | 50  | mA   |

$V_D=400V$  Gate Open  $T_j=125$

ORDERING INFORMATION



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



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



**JST16C-600BW**



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