



## JST20C-800CW 20A TRIAC

Rev.A.1.1

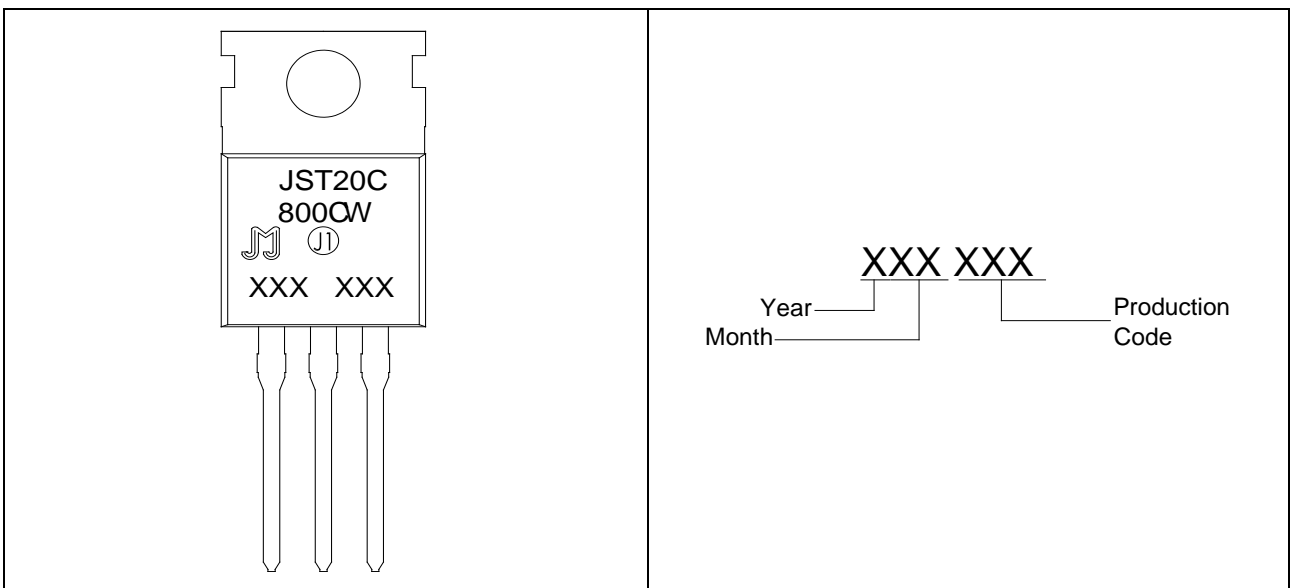
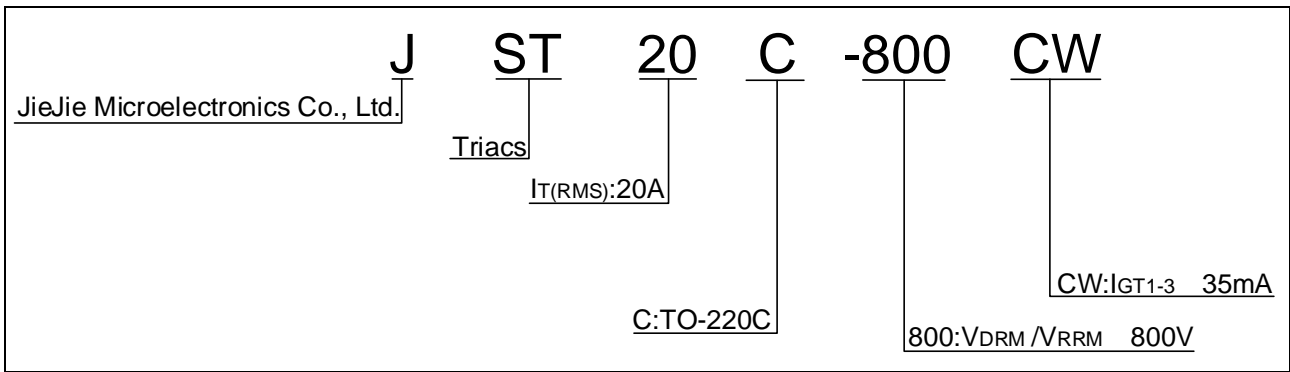
The JST20C-800CW triac is suitable for general purpose AC switching. It can be used as an ON/OFF function in applications such as heating regulation, induction motor starting circuits, for phase control operation in light dimmers, motor speed controllers. JST20C-800CW snubberless triac is especially recommended for use on inductive loads. From T2 terminals to external heatsink. Package TO-220C is RoHS compliant.

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

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

( $T_j=25$  unless otherwise specified)

| Symbol   | Test Condition   | Quadrant | Value |    | Unit |
|----------|--|----------|-------|----|------|
| $I_{GT}$ | $V_D=12V$ $R_L=33$                                       | - -      | MAX.  | 35 | mA   |
| $V_{GT}$ |  | - -      | MAX.  | 1  | V    |
| $V_{GD}$ | $V_D=V_{DRM}$ $T_j=125$<br>$R_L=3.3k$ <del>MAX</del> † a |          |       |    |      |



**JST20C-800CW**

FIG.7

| Order code          | Voltage<br>$V_{DRM}/V_{RRM}$ (V) | IGT(mA)   | Package        | Base qty.<br>(pcs) | Delivery<br>mode |
|---------------------|----------------------------------|-----------|----------------|--------------------|------------------|
|                     |                                  | H- I- J   |                |                    |                  |
| <b>JST20C-800CW</b> | <b>800</b>                       | <b>35</b> | <b>TO-220C</b> | <b>50</b>          | <b>Tube</b>      |

### Document Revision History

| Date         | Revision | Changes                        |
|--------------|----------|--------------------------------|
| Apr.12, 2023 | A.1.0    | Last updated                   |
| Oct.15, 2025 | A.1.1    | Revise PACKAGE MECHANICAL DATA |

