



**JST08C-800C 8A TRIAC**

Rev.A.1.1

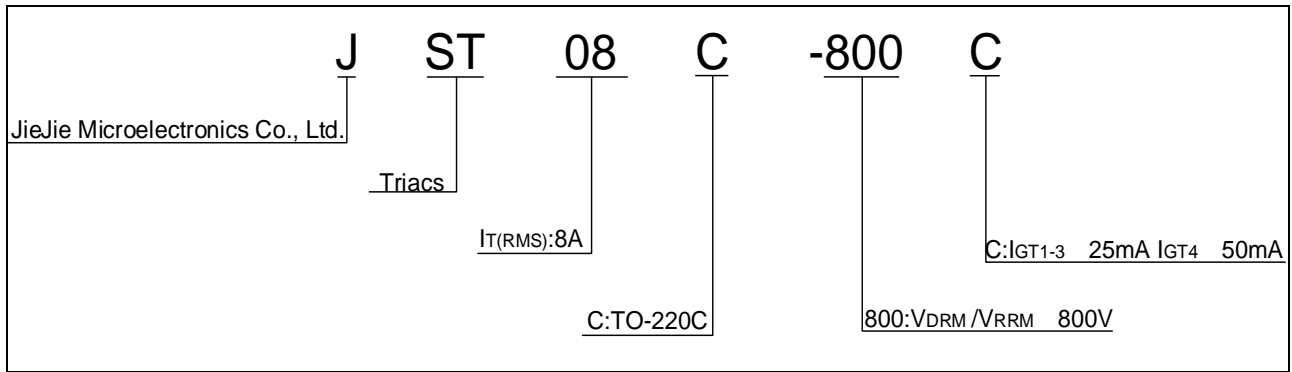
DESCRIPTION:

The JST08C-880

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

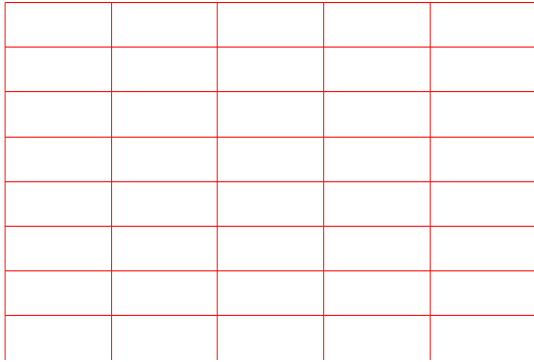
| Symbol               | Test Condition                           | Quadrant | Value |     |    |
|----------------------|--|----------|-------|-----|----|
| $I_{GT}$             | $V_D=12V R_L=33$                         | - -      | MAX.  | 25  |    |
|                      |  |          |       | 50  |    |
| $V_{GT}$             |  | ALL      | MAX.  | 1   |    |
| $V_{GD}$             | $V_D=V_{DRM} T_j=125$<br>$R_L=3.3k$      | ALL      | MIN.  | 0.2 |    |
| $I_L$                | $I_G=1.2I_{GT}$                          | - -      | MAX.  | 40  | mA |
|                      |  |          |       | 80  |    |
| $I_H$                | $I_T=200mA$                              |          | MAX.  | 30  | mA |
| dV/dt                | $V_D=540V$ Gate Open $T_j=125$           |          | MIN.  | 500 |    |
| (dV/dt) <sub>c</sub> | (dI/dt) <sub>c</sub> =3.5A/ms, $T_j=125$ |          | MIN.  | 6   |    |
| $t_{on}$             | $I_G=80mA I_A=400mA I_R=40mA$            |          | TYP.  | 5   | μs |
| $t_{off}$            | $T_j=25$                                 |          |       | 30  |    |

ORDERING INFORMATION



MARKING

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



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








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