## JST08F-1200BW 8A TRIAC

Rev.A.1.1

### DESCRIPTION:

The JST08F-1200BW triac is suitable for general purpose AC switching. It can be used as an ON/OFF function in applications such as heating

| | | | |
|---|---|---|---|
| Average gate power dissipation ($T_j$=125 ) | $P_{G(AV)}$ | 0.5 | W |
| Peak gate power | $P_{GM}$ | 10 | W |
| Peak pulse voltage ($T_j$=25 ; non-repetitive,off-state;FIG.7) | $V_{pp}$ | 2.5 | kV |

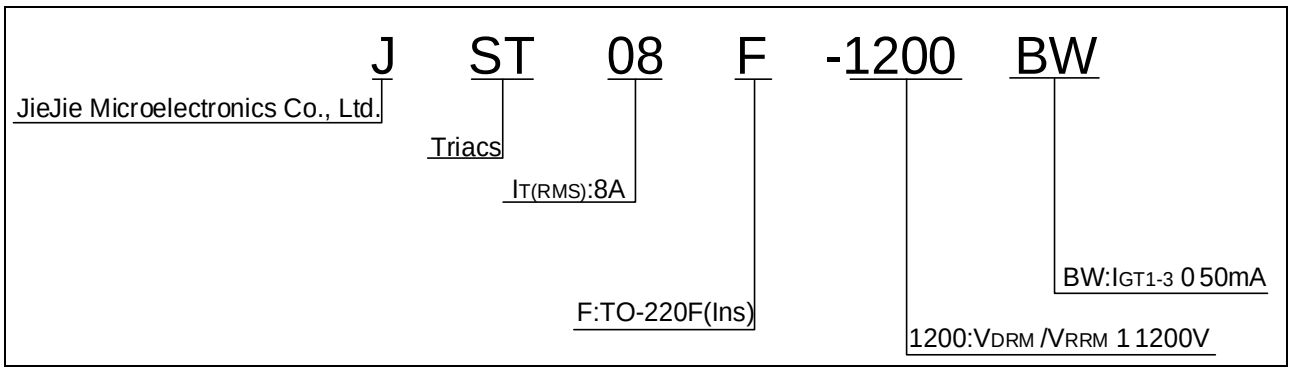
## ELECTRICAL CHARACTERISTICS ($T_j$=25 unless otherwise specified)

| Symbol | Test Condition | Quadrant | Value | | Unit |
|---|---|---|---|---|---|
| $I_{GT}$ | $V_D$ =12V $R_L$ =33Ω | - - | MAX. | 50 | mA |
| $V_{GT}$ | | - - | MAX. | 1 | V |
| $V_{GD}$ | $V_D$ =$V_{DRM}$ $T_j$ =125 $R_L$ =3.3kΩ | - - | MIN. | 0.2 | V |
| $I_L$ | $I_G$ =1.2$I_{GT}$ | - | MAX. | 50 | mA |
| | | | | 90 | |
| $I_H$ | $I_T$ =100mA | | MAX. | 50 | mA |
| dV/dt | $V_D$=800V Gate Open $T_j$ =125 | | MIN. | 500 | V/μs |
| (dI/dt)c | (dV/dt)c=20V/μs, $T_j$=125 | | MIN. | 12 | A/ms |
| $t_{on}$ | $I_G$=80mA $I_A$=400mA $I_R$=40mA $T_j$=25 | | TYP. | 5 | μs |
| $t_{off}$ | | | | 50 | |

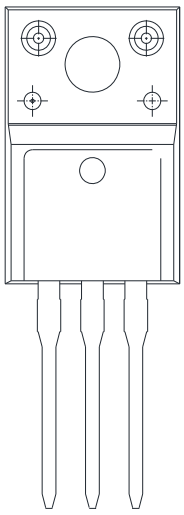
## STATIC CHARACTERISTICS

| Symbol | Parameter | Value(MAX.) |
|---|---|---|

## ORDERING INFORMATION



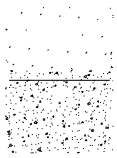

## MARKING



## ORDERING INFORMATION

| Order code | Voltage $V_{DRM}$/V |
|---|---|

## PACKAGE MECHANICAL DATA



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