JST08E-1200TW 8A TRIAC

| | | | |
|---|---|---|---|
| Peak pulse voltage ($T_j$=25 ; non-repetitive,off-state;FIG.8) | $V_{pp}$ | 1.5 | kV |

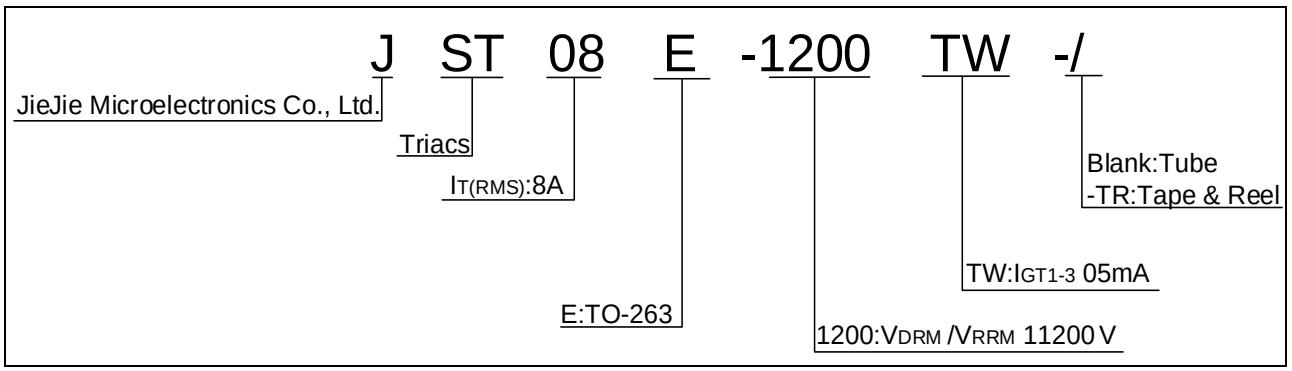
## ELECTRICAL CHARACTERISTICS ($T_j$=25 unless otherwise specified)

| Symbol | Test Condition | Quadrant | Value | | Unit |
|---|---|---|---|---|---|
| $I_{GT}$ | $V_D$ =12V $R_L$ =33 | - - | MAX. | 5 | mA |
| $V_{GT}$ | | - - | MAX. | 1 | V |
| $V_{GD}$ | $V_D$ = $V_{DRM}$ $T_j$ =125 $R_L$ =3.3k | - - | MIN. | 0.2 | V |
| $I_L$ | $I_G$ =1.2$I_{GT}$ | - | MAX. | 10 | mA |
| | | | | 15 | |
| $I_H$ | $I_T$ =100mA | | MAX. | 10 | mA |
| dV/dt | $V_D$=800V Gate Open $T_j$ =125 | | MIN. | 80 | V s |
| (dI/dt)c | (dV/dt)c=10V s, $T_j$=125 | | MIN. | 0.5 | A/ms |
| $t_{on}$ | $I_G$=10mA $I_A$=200mA $I_R$=20mA $T_j$=25 | | TYP. | 2 | s |
| $t_{off}$ | | | | 20 | |

## STATIC CHARACTERISTICS

| Symbol | Parameter | | Value(MAX .) | Unit |
|---|---|---|---|---|
| $V_{TM}$ | $I_{TM}$ =11A $t_p$=380 s | $T_j$=25 | 1.5 | V |
| $V_{TO}$ | Threshold voltage | $T_j$=125 | 0.82 | V |
| $R_D$ | Dynamic resistance | | | |

## ORDERING INFORMATION




## MARKING

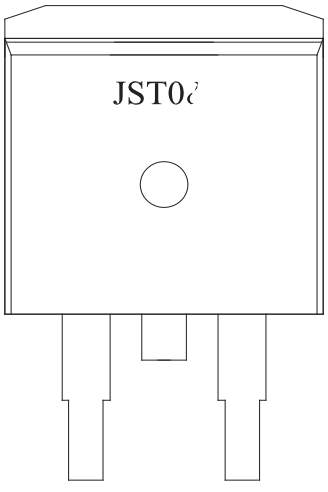


FIG.1: Maximum power dissipation versus RMS on-state current

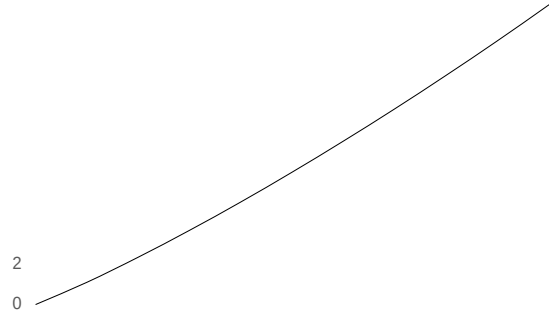



FIG.2: RMS on-state current versus case temperature

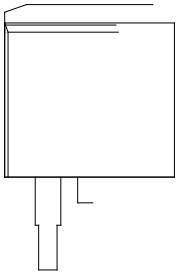
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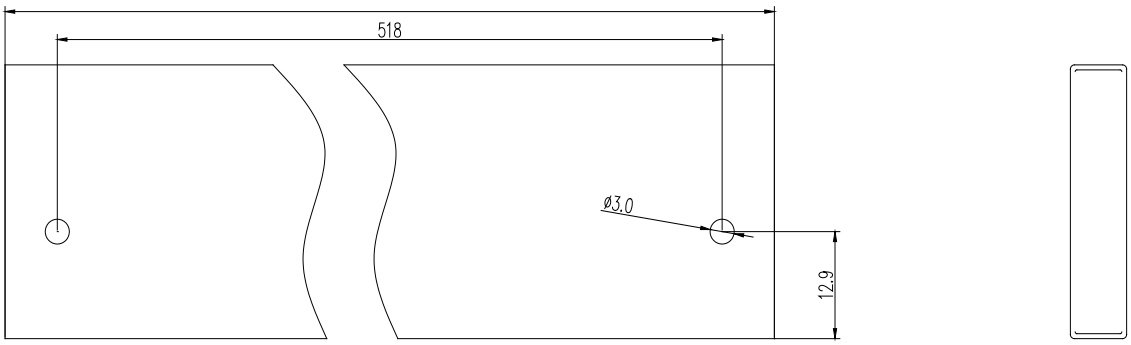
OR024 1 b.507 0 T9.56 484.8 0.48 re f q 3.96 0.48 rel

# PACKAGE MECHANICAL DATA



| Ref. | Dimensions | | | | | |
|---|---|---|---|---|---|---|
| | Millimeters | | | Inches | | |
| | Min. | Typ. | Max. | Min. | Typ. | Max. |
| A | 9.90 | | 10.20 | 0.390 | | 0.402 |
| | | | | | | |
| B | 14.70 | | 15.80 | 0.579 | | 0.622 |
| | | | | | | |
| C | 9.40 | | 9.60 | 0.370 | | 0.378 |
| | | | | | | |
| D | 2.40 | | | 0.094 | | |
| E | 1.20 | | 1.50 | 0.047 | | 0.059 |
| F | 0.75 | | 0.85 | 0.029 | | 0.033 |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

DELIVERY MODE



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