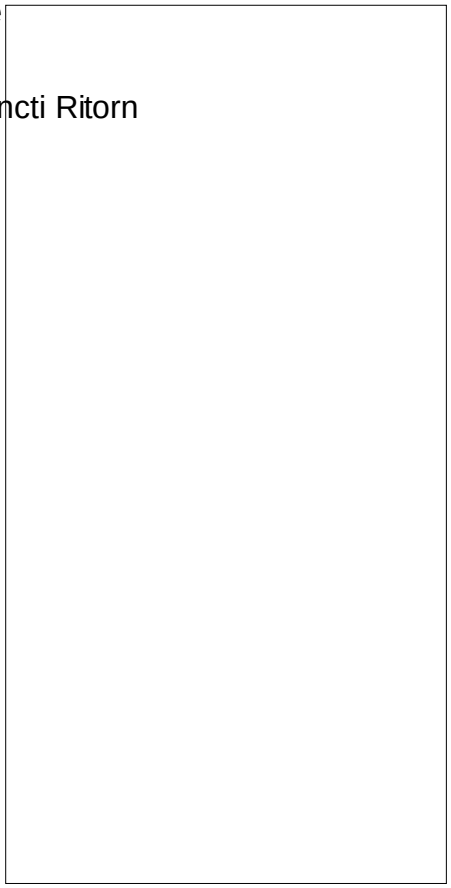
## ACJT04A-1000SW 4A TRIAC

Rev.A.1.1

### DESCRIPTION:

The ACJT04A-1000SW 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) | $V_{pp}$ | 3.25 | kV |

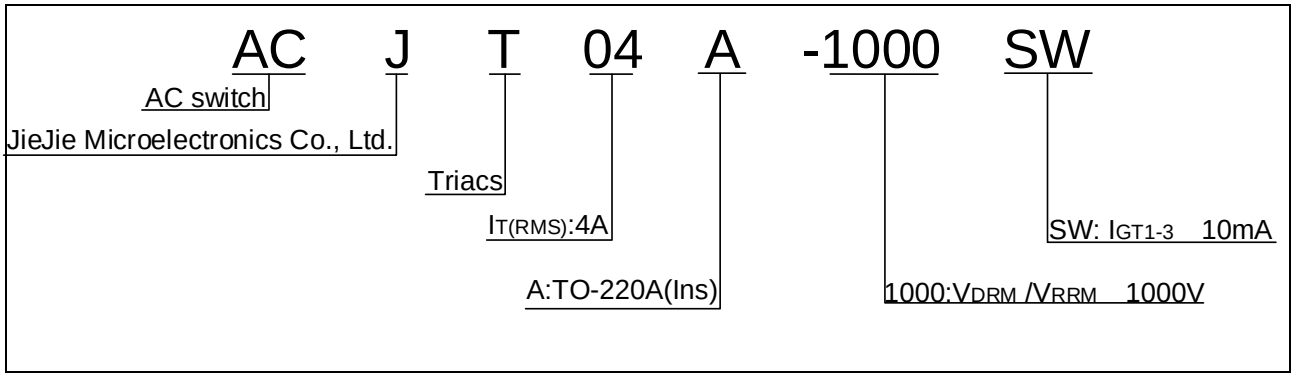
## ELECTRICAL CHARACTERISTICS ($T_j$=25 unless otherwise specified)

| Symbol | Test Condition | Quadrant | Value | | Unit |
|---|---|---|---|---|---|
| $I_{GT}$ | $V_D$ =12V $R_L$ =33 | - - | MAX. | 10 | 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. | 30 | mA |
| | | | | 45 | |
| $I_H$ | $I_T$ =100mA | | MAX. | 25 | mA |
| dV/dt | $V_D$=670V Gate Open $T_j$ =125 | | MIN. | 250 | V s |
| (dI/dt)c | j=125 | | MIN. | 3.5 | A/ms |
| $t_{on}$ | $I_G$=20mA $I_A$=200mA $I_R$=20mA $T_j$=25 | | TYP. | 4 | s |
| $t_{off}$ | | | | 50 | |
| $V_{CL}$ | $I_{CL}$=0.1mA $t_p$=1ms | | MIN. | 1050 | V |

## STATIC CHARACTERISTICS

| Symbol | Parameter | | Value(MAX.) | Unit |
|---|---|---|---|---|
| $V_{TM}$ | $I_{TM}$ =5.6A $t_p$=380 s | $T_j$=25 | 1.6 | V |
| $V_{TO}$ | Threshold voltage | $T_j$=125 | 0.9 | V |
| $R_D$ | Dynamic resistance | $T_j$=125 | 80 | |
| $I_{DRM}$ | 25 80 $V_{DRM}$ V=V | | | |

## ORDERING INFORMATION




## MARKING

# ACJT04A-1000SW

**ACJT04A-**

## ORDERING INFORMATION

| Order code | Voltage $V_{DRM}/V_{RRM}$ (V) | IGT(mA) | Package | Base qty. (pcs) | Delivery mode |
|---|---|---|---|---|---|
| ACJT04A-1000SW | 1000 | 10 | TO-220A(Ins) | 50 | Tube |

### Document Revision History

| Date | Revision | Changes |
|---|---|---|
| Apr.14, 2023 | A.1.0 | Last updated |
| Oct.13, 2025 | A.1.1 | Revise PACKAGE MECHANICAL DATA |

## PACKAGE MECHANICAL DATA

