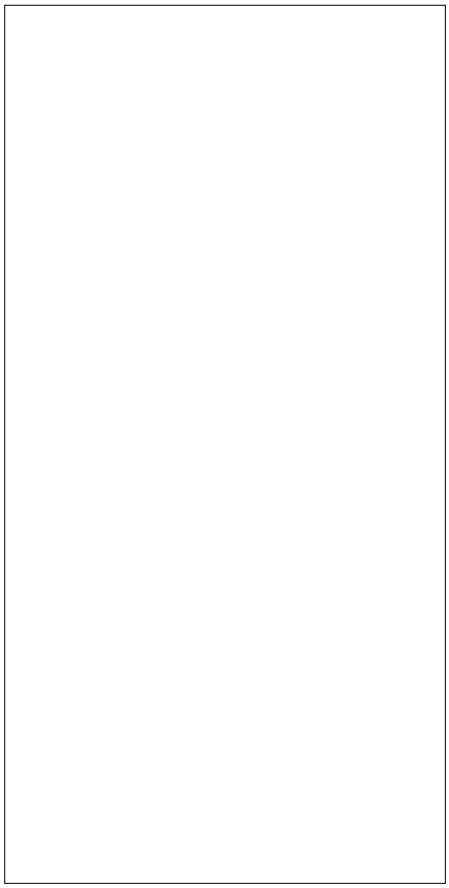
## ACJT810-8A 8A TRIAC

Rev.A.1.1

The ACJT810-8A 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. The ACJT810-8A embeds a TVS structure to absorb the inductive turn-off energy such as those described in the IEC 61000-4-5 standards. By using an internal ceramic pad, ACJT810-8A provides a rated insulation voltage of 2500 VRMS, complying with UL standards (File ref: E252906). Package TO-220A is RoHS compliant.



| Parameter | Symbol | Value | Unit |
|---|---|---|---|
| Storage junction temperature range | T | | |

| | | | |
|---|---|---|---|
| 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 | |

AC J T 8 10 -8 A

- AC: AC switch
- J: JieJie Microelectronics Co., Ltd.
- T: Triacs
- 8: $I_{T(RMS)}$:8A
- 10: $I_{GT1-3} \leq 10mA$
- -8: 8:$V_{DRM}$ /$V_{RRM}$ ≥ 800V
- A: A:TO-220A(Ins)

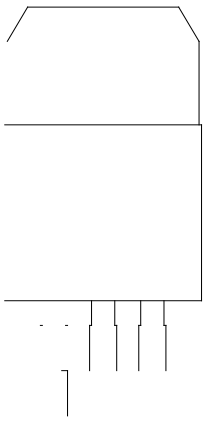


**FIG.1:** Maximum power dissipation versus RMS on-state current

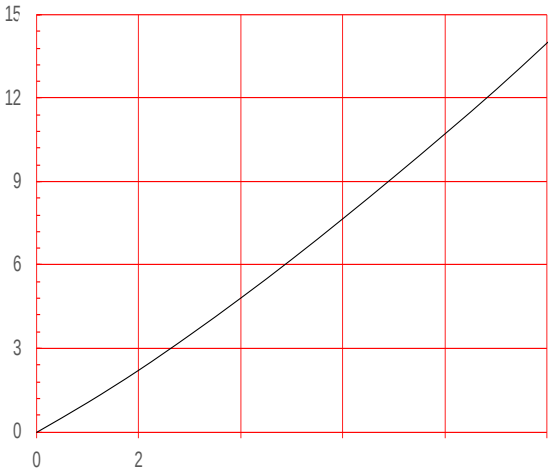
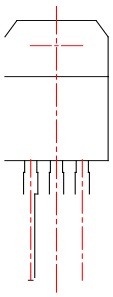



**FIG.2:** RMS on-state current versus case temperature

# ACJT810-8A

# ACJT810-8A



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