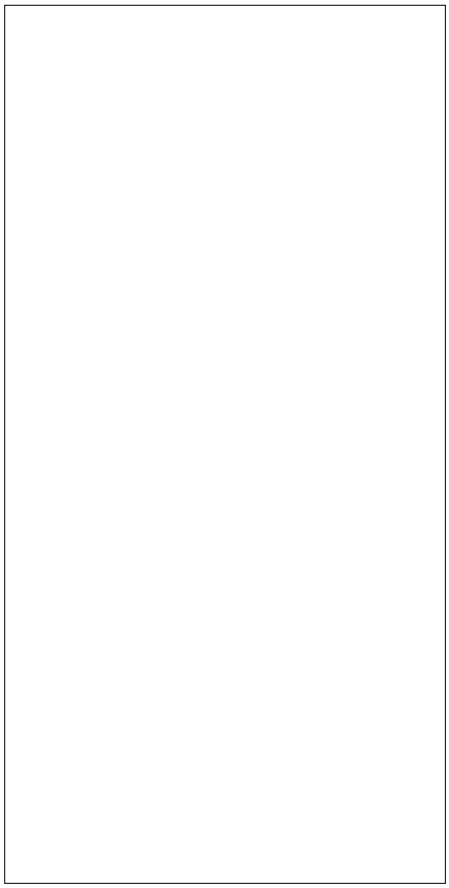
ACJT810-8A 8A TRIAC

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)

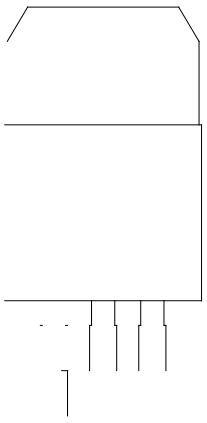


FIG.1: Maximum power dissipation versus RMS on-state current

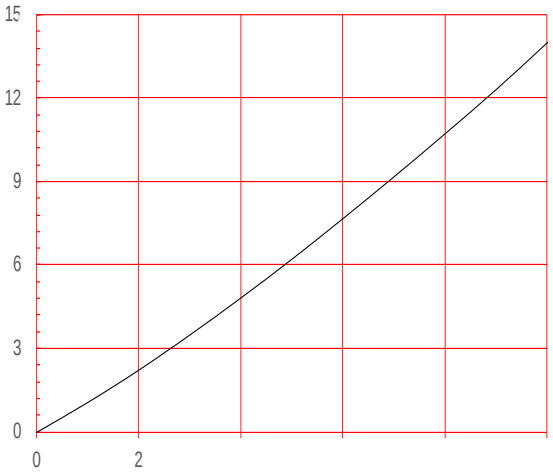
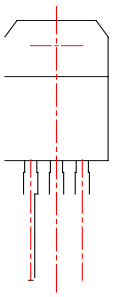


FIG.2: RMS on-state current versus case temperature

ACJT810-8A

ACJT810-8A



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