

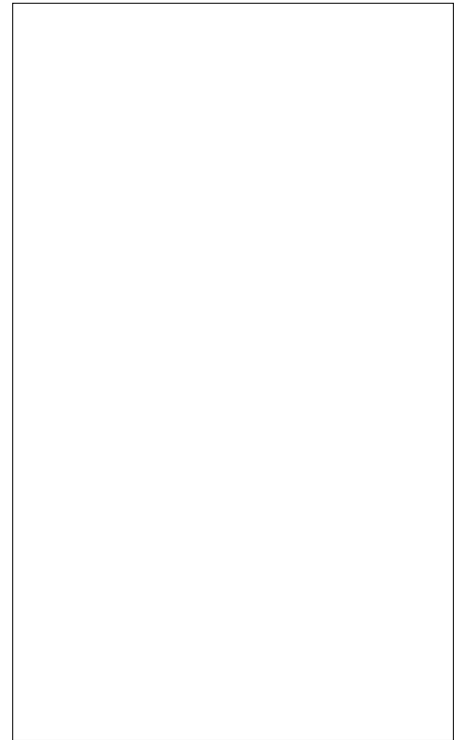


ACJT110-10V 1A TRIAC

Rev.A.1.1

DESCRIPTION:

The ACJT110-10V 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 ACJT110-10V embeds a TVS structure to absorb the inductive turn-off energy such as those described in the IEC 61000-4-5 standards. Package SOT-223 is RoHS compliant.



MAIN FEATURES

ABSOLUTE MAXIMUM RATINGS

| Parameter | Symbol | Value | Unit |
|--------------------------------------|-----------|---------|------|
| Storage junction temperature range | T_{stg} | -40-150 | |
| Operating junction temperature range | T_j | -40-125 | |

Peak pulse voltage

($T_j=25$; non-repetitive,6 (t/10 f

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

FIG.7: Relative variations of gate trigger current, holding current and latching current versus junction temperature

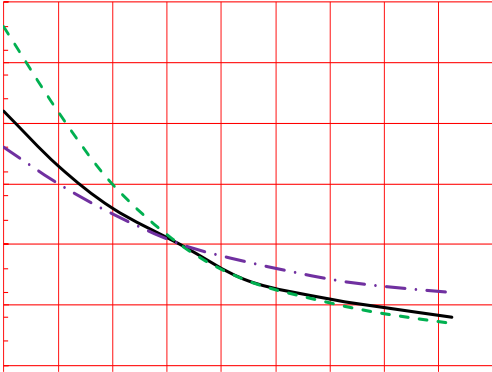


FIG.8 Test circuit for inductive and resistive loads to IEC-61000-4-5 standards



ORDERING INFORMATION

| Order code | Voltage V_{DRM}/V_{RRM} (V) | IGT(mA) | Package | Base qty. (pcs) | Delivery mode |
|-------------|----------------------------------|---------|---------|--------------------|------------------|
| ACJT110-10V | 1000 | 10 | SOT-223 | 4,000 | Tape & Reel |

Document Revision History

| Date | Revision | Changes |
|--------------|----------|--------------------------------|
| Apr.13, 2023 | A.1.0 | Last updated |
| Oct.23, 2025 | A.1.1 | Revise PACKAGE MECHANICAL DATA |

05170007 Pin 35 AG 106 M(C) 09 310 3H4.3A 06 (omCA 01) 54D89A 01 08A5

Information furnished in this document is believed to be accurate and reliable. However, Jiangsu JieJie Microelectronics Co., Ltd. assumes no responsibility for the consequences of use without consideration for such information nor use beyond it. Information mentioned in this document is subject to change without notice, apart from that when an agreement is signed, Jiangsu JieJie complies with the agreement.

Products and information provided in this document have no infringement of patents. Jiangsu JieJie assumes no responsibility for any infringement of other rights of third parties which may result from the use of the information provided in this document.