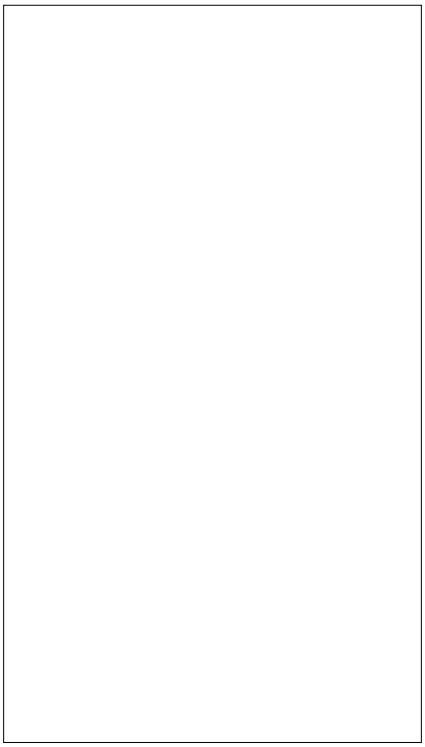
# ACJT110-10N2 1A TRIAC

Rev.A.1.1

## DESCRIPTION:

The ACJT110-10N2 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 ACJT110-10N2 embeds a TVS structure to absorb the inductive turn-off energy such as those described in the IEC 61000-4-5 standards. Package SOT-89-2L is RoHS compliant.

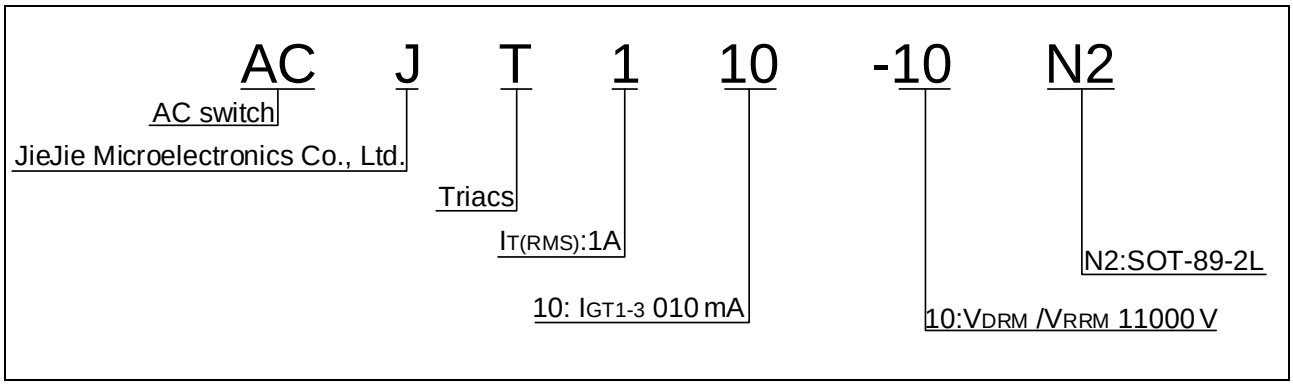


## MAIN FEATURES

## ABSOLUTE MAXIMUM RATINGS

| Parameter | Symbol | Value | Unit |
|---|---|---|---|
| Storage junction temperature range | $T_{stg}$ | -40-150 | |
| Operating junction temperature range | $T_j$ | -40-125 | |
| Repetitive peak off-state voltage ($T_j$=25 ) | $V_{DRM}$ | 100 | |

## ORDERING INFORMATION




## MARKING

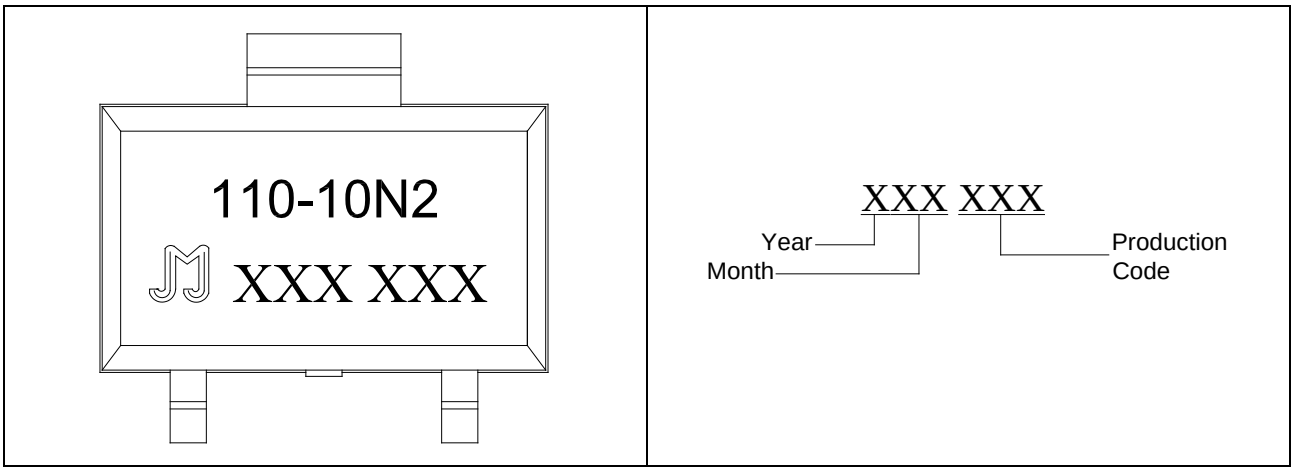


FIG.1: Maximum power dissipation versus RMS on-state current

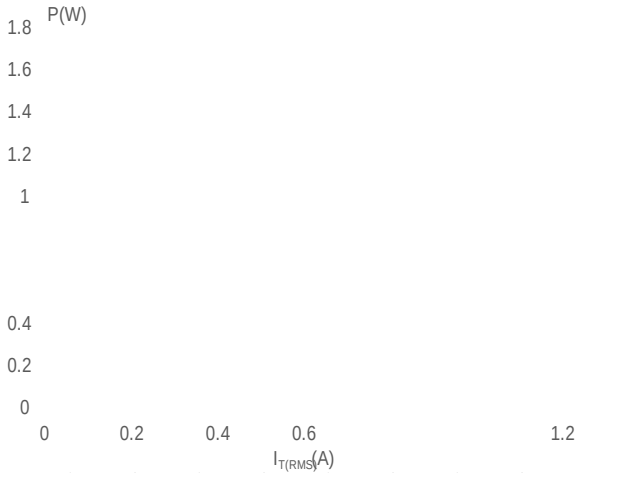
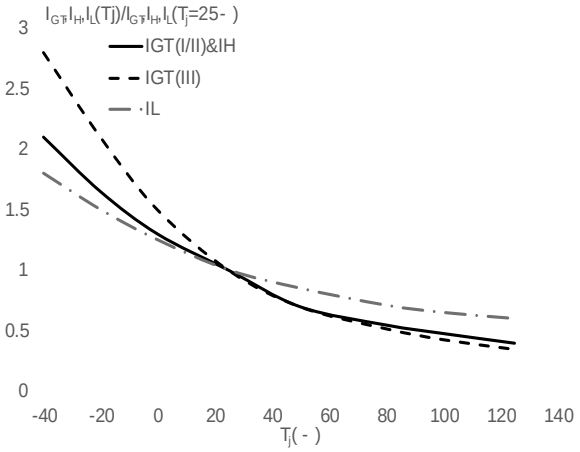



FIG.2: RMS on-state current versus case temperature

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



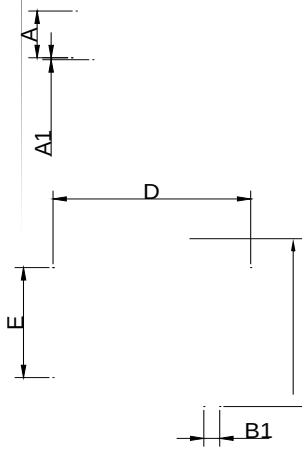
## ORDERING INFORMATION

| Order code | Voltage $V_{DRM}/V_{RRM}$ (V) | IGT(mA) | Package | Base qty. (pcs) | Delivery mode |
|---|---|---|---|---|---|
| ACJT110-10N2 | 1000 | 10 | SOT-89-2L | 4,000 | Tape & Reel |

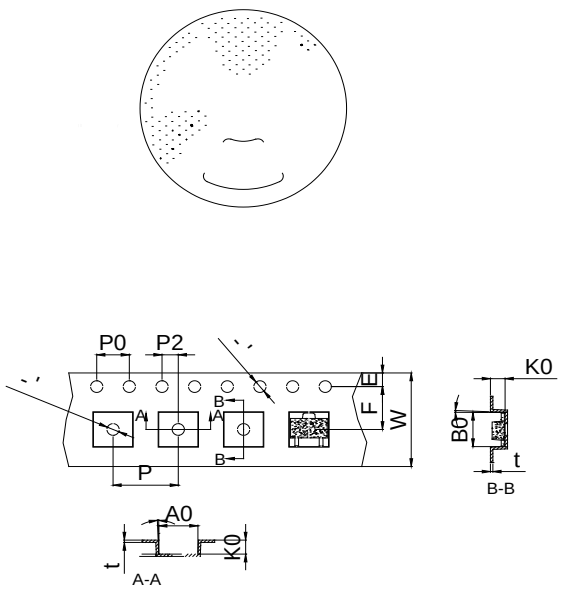
Document Revision History

| Date | Revision | Changes |
|---|---|---|
| Apr.13, 2023 | A.1.0 | Last updated |
| Oct.16, 2025 | A.1.1 | Revise PACKAGE MECHANICAL DATA |

PACKAGE MECHANICAL DATA



# DELIVERY MODE




| Ref. | Dimensions | | | | | |
|---|---|---|---|---|---|---|
| | Millimeters | | | Inches | | |
| | Min. | Typ. | Max. | Min. | Typ. | Max. |
| E | 1.65 | 1.75 | 1.85 | 0.065 | 0.069 | 0.073 |
| F | 5.45 | 5.50 | 5.55 | 0.215 | 0.217 | 0.219 |
| P2 | 1.90 | 2.00 | 2.10 | 0.075 | 0.079 | 0.082 |
| D | - | 1.50 | 1.60 | - | 0.059 | 0.063 |
| D1 | 1.50 | - | - | 0.059 | - | - |
| P0 | 3.90 | 4.00 | 4.10 | 0.154 | 0.157 | 0.161 |
| 10P0 | 39.80 | 40.00 | 40.20 | 1.567 | 1.575 | 1.583 |
| W | - | - | 12.30 | - | - | 0.482 |
| P | 7.90 | 8.00 | 8.10 | 0.311 | 0.315 | 0.319 |
| A0 | 5.20 | 5.30 | 5.40 | 0.204 | 0.208 | 0.212 |
| B0 | 4.80 | 4.90 | 5.00 | 0.188 | 0.192 | 0.196 |
| K0 | 1.75 | 1.85 | 1.95 | 0.069 | 0.073 | 0.076 |
| t | 0.20 | 0.25 | 0.30 | 0.008 | 0.010 | 0.012 |
| | 3° | | 5° | 3° | | 5° |

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