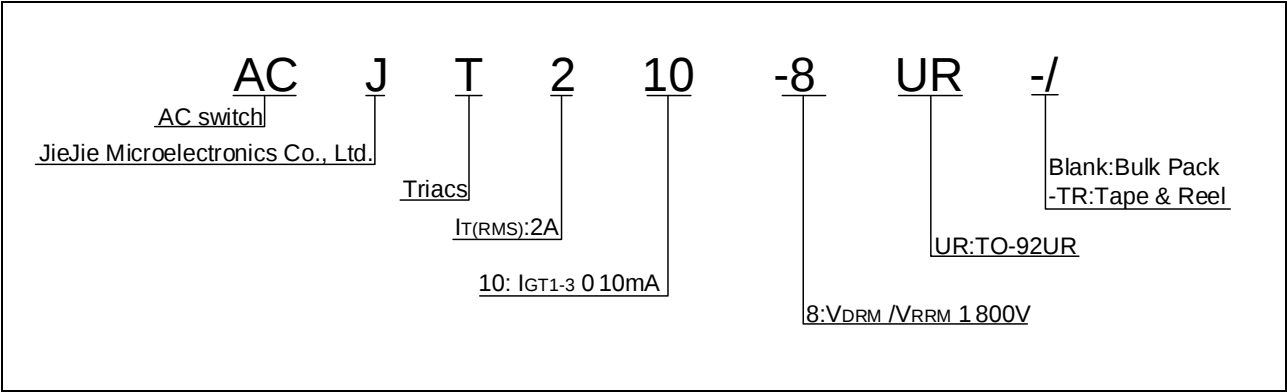




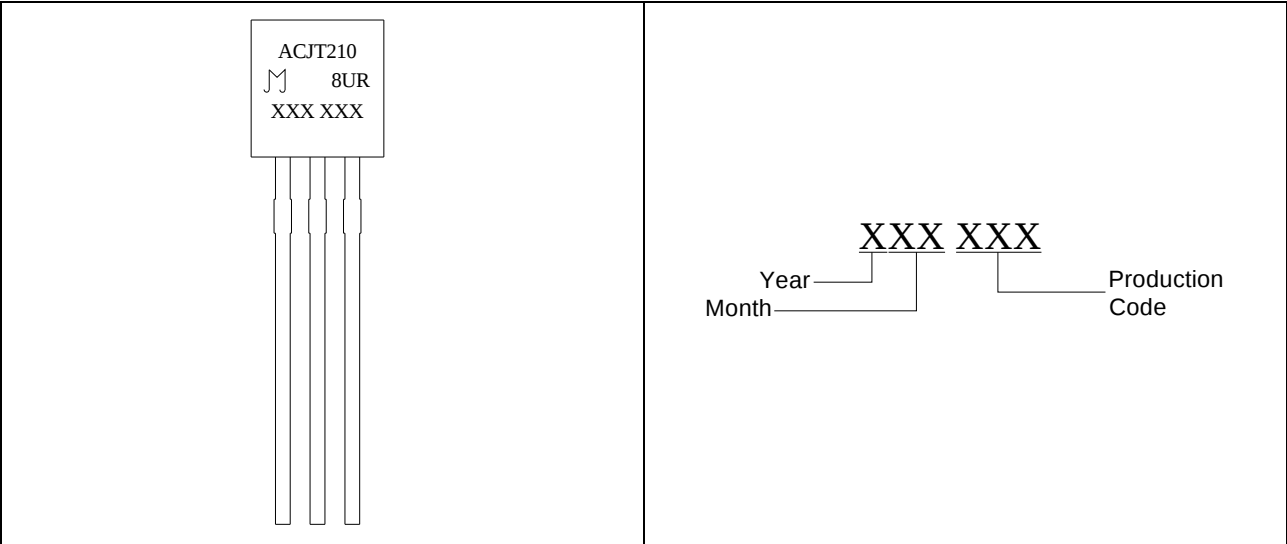
|                                                                             |                 |     |    |
|-----------------------------------------------------------------------------|-----------------|-----|----|
| Peak pulse voltage<br>(T <sub>j</sub> =25 ; non-repetitive,off-state;FIG.7) | V <sub>pp</sub> | 4.5 | kV |
|-----------------------------------------------------------------------------|-----------------|-----|----|

ELECTRICAL CHARACTERISTICS (T<sub>j</sub>=25 unless otherwise specified)

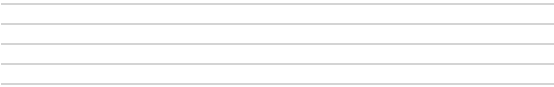
ORDERING INFORMATION



MARKING



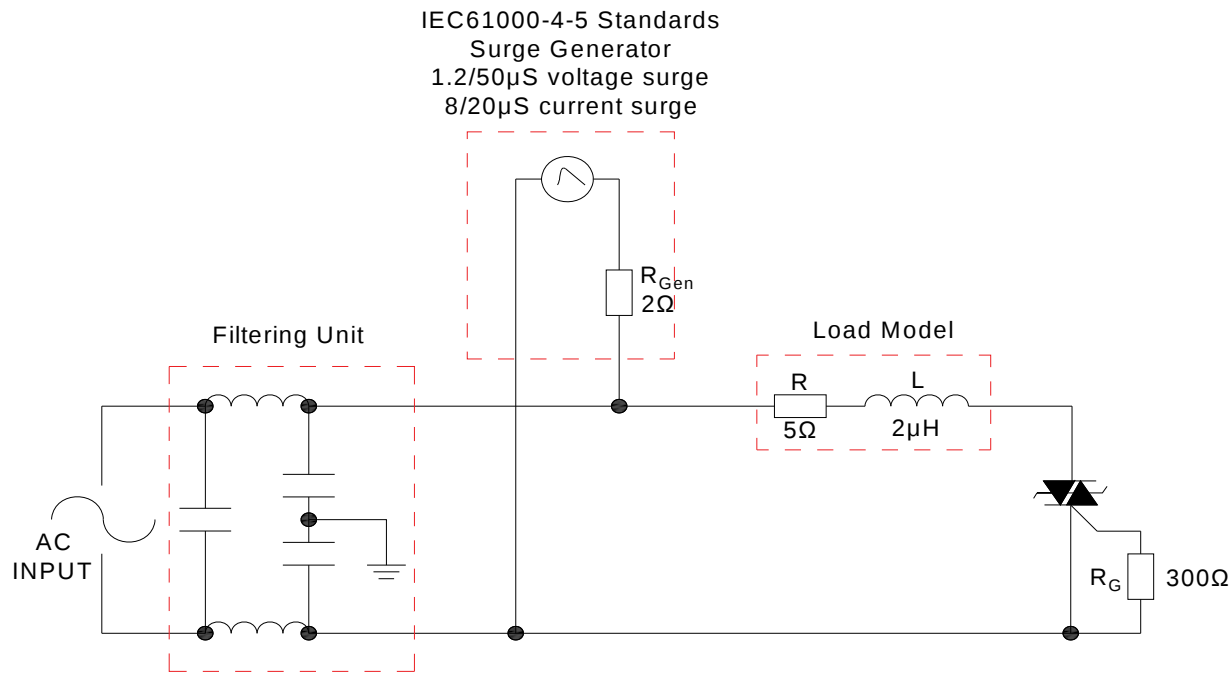
**FIG.1:** Maximum power dissipation versus RMS on-state current



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

VB6v— dryLi !"€i p`BiVw

FIG.7 ÖTest circuit for inductive and resistive loads to IEC-61000-4-5 standards



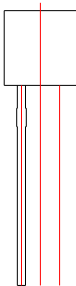
## ORDERING INFORMATION

| Order code     | Voltage<br>$V_{\text{DRM}}/V_{\text{RRM}}$ (V) | IGT(mA) | Package | Base qty.<br>(pcs) | Delivery<br>mode |
|----------------|------------------------------------------------|---------|---------|--------------------|------------------|
| ACJT210-8UR    | 800                                            | 10      | TO-92UR | 1,000              | Bulk Pack        |
| ACJT210-8UR-TR |                                                |         |         | 2,000              | Tape & Reel      |

## Document Revision History

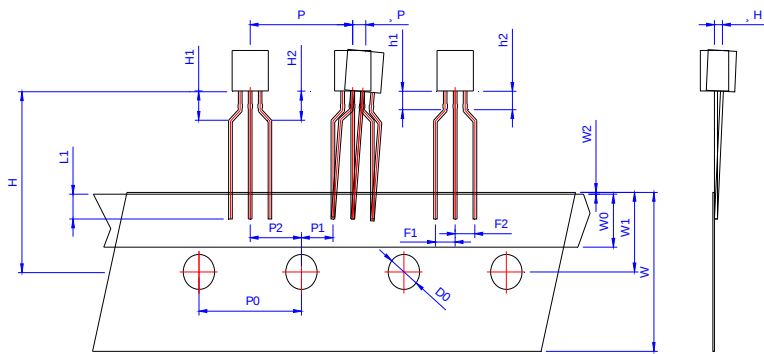
| Date          | Revision | Changes                        |
|---------------|----------|--------------------------------|
| Apr.14, 2023  | A.1.0    | Last updated                   |
| Mar.27, 2025  | A.2.0    | Renew PACKAGE MECHANICAL DATA  |
| Sept.28, 2025 | A.2.1    | Revise PACKAGE MECHANICAL DATA |

PACKAGE MECHANICAL DATA



DELIVERY MODE

| PACKAGE | OUTLINE   | BAG (PCS) | INNER BOX (PCS) | CARTON BOX (PCS) |
|---------|-----------|-----------|-----------------|------------------|
| TO-92UR | Bulk Pack | 1,000     | 10,000          | 50,000           |



| Ref.    | Dimensions  |       |       |        |       |       |
|---------|-------------|-------|-------|--------|-------|-------|
|         | Millimeters |       |       | Inches |       |       |
|         | Min.        | Typ.  | Max.  | Min.   | Typ.  | Max.  |
| P       | 12.40       | 12.70 | 13.00 | 0.488  | 0.500 | 0.512 |
| P0      | 12.40       | 12.70 | 13.00 | 0.488  | 0.500 | 0.512 |
| P1      | 3.55        | 3.85  | 4.15  | 0.140  | 0.152 | 0.163 |
| P2      | 5.95        | 6.35  | 6.75  | 0.233  | 0.250 | 0.265 |
| $\pm P$ | -1.00       | 0     | 1.00  | -0.039 | 0     | 0.039 |
| F1 ~ F2 | 2.30        | 2.50  | 2.70  | 0.090  | 0.098 | 0.106 |
| F1-F2   | -0.10       | 0     | 0.10  | -0.004 | 0     | 0.004 |
| W       | 17.50       | 18.00 | 19.00 | 0.689  | 0.709 | 0.748 |
| W0      | 5.50        | 6.00  | 6.50  | 0.217  | 0.236 | 0.256 |
| W1      | 8.50        | 9.00  | 9.50  | 0.335  | 0.354 | 0.374 |
| W2      |             |       | 1.00  |        |       | 0.039 |
| D0      | 3.80        | 4.00  | 4.20  | 0.150  | 0.157 | 0.165 |
| $\pm H$ | -1.00       | 0     | 1.00  | -0.039 | 0     | 0.039 |
| L1      | 2.50        |       |       | 0.098  |       |       |
| H       | 18.00       | 19.00 | 20.00 | 0.709  | 0.748 | 0.787 |
| H1 ~ H2 |             |       | 3.00  |        |       | 0.119 |
| H1-H2   | -0.50       |       | 0.50  | -0.020 |       | 0.020 |
| h1 ~ h2 |             |       | 1.00  |        |       | 0.040 |
| h1-h2   | -0.20       |       | 0.20  | -0.008 |       | 0.008 |

| PACKAGE | OUTLINE | REEL (PCS) | INNER BOX (PCS) | CARTON BOX (PCS) |
|---------|---------|------------|-----------------|------------------|
|---------|---------|------------|-----------------|------------------|

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