

Peak pulse voltage
($T_j=25$; non-repetitive, off-state; FIG.8)

V_{pp}

2.75

kV

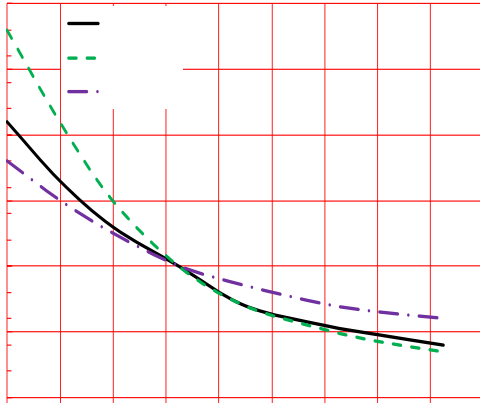
kV

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



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

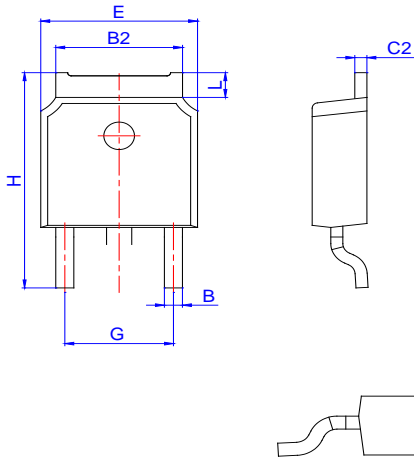
FIG.7: Relative variations of gate trigger current, holding current and latching current versus junction temperature



| Order code | Voltage V_{DRM}/V_{RRM} (V) | IGT(mA) | Package | Base qty. (pcs) | Delivery mode |
|-------------------|----------------------------------|---------|---------|--------------------|---------------|
| ACJT08K-1000CW | 1000 | 35 | TO-252 | 80 | Tube |
| ACJT08K-1000CW-TR | | | | 2,500 | Tape & Reel |

Document Revision History

| Date | Revision | Changes |
|--------------|----------|--------------------------------------|
| Apr.14, 2023 | A.1.0 | Last updated |
| Oct.23, 2023 | A.1.1 | Change $R_{th(j-c)}$ & $R_{th(j-a)}$ |
| Oct.22, 2025 | A.1.2 | Revise PACKAGE MECHANICAL DATA |



| Ref. | Dimensions | | | | | |
|------|-------------|------|------|--------|------|-------|
| | Millimeters | | | Inches | | |
| | Min. | Typ. | Max. | Min. | Typ. | Max. |
| A | 2.10 | | 2.50 | 0.083 | | 0.098 |
| A2 | 0 | | 0.15 | 0 | | 0.006 |
| B | 0.66 | | 0.86 | 0.026 | | 0.034 |
| B2 | 5.18 | | 5.48 | 0.202 | | 0.216 |
| C | 0.40 | | 0.60 | 0.016 | | 0.024 |
| C2 | 0.44 | | 0.58 | 0.017 | | 0.023 |
| D | 5.90 | | 6.30 | 0.232 | | 0.248 |
| D1 | | | | | | |
| E | 6.40 | | 6.80 | 0.252 | | 0.268 |
| E1 | 4.63 | | | 0.182 | | |
| G | 4.47 | | 4.67 | 0.176 | | 0.184 |
| G1 | 2.18 | | 2.38 | 0.086 | | 0.094 |
| L | 1.09 | | 1.21 | 0.043 | | 0.048 |
| L2 | 1.35 | | 1.65 | 0.053 | | 0.065 |
| | | | | | | |
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