

| | | | |
|--------------------------------------------------------------------|----------|----|----|
| Peak gate power | P_{GM} | 10 | W |
| Peak pulse voltage ($T_j=25$; non-repetitive,off-state;FIG.7) | V_{pp} | 5 | kV |

ELECTRICAL CHARACTERISTICS($T_j=25$ unless otherwise specified)

| Symbol | Test Condition | Quadrant | Value | | Unit |
|-----------|-------------------------------------------|----------|-------|------|------------|
| I_{GT} | $V_D=12V R_L=33$ | - - | MAX. | 50 | mA |
| V_{GT} | | - - | MAX. | 1 | V |
| V_{GD} | $V_D=V_{DRM} T_j=125$ $R_L=3.3k$ | - - | MIN. | 0.2 | V |
| I_L | $I_G=1.2I_{GT}$ | - | MAX. | 80 | mA |
| | | | | 100 | |
| I_H | $I_T=500mA$ | | MAX. | 75 | mA |
| dV/dt | $V_D=540V$ Gate Open $T_j=125$ | | MIN. | 2000 | V/ μs |
| (dI/dt)c | (dV/dt)c=20V/ μs $T_j=125$ | | MIN. | 25 | A/ms |
| t_{on} | $I_G=80mA I_A=400mA I_R=40mA$ $T_j=25$ | | TYP. | 10 | μs |
| t_{off} | | | | 70 | |

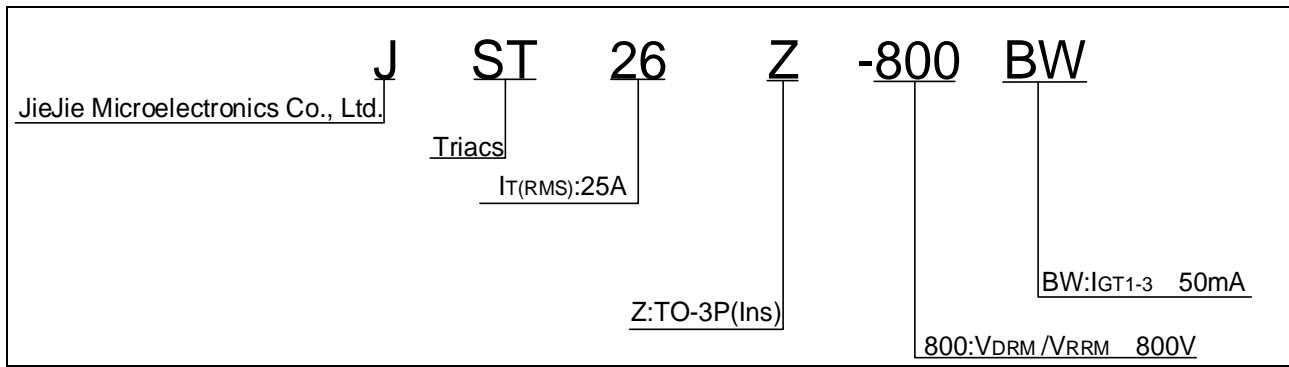
STATIC CHARACTERISTICS

| Symbol | Parameter | | Value(MAX.) | Unit |
|-----------|---------------------------|-----------|-------------|---------|
| V_{TM} | $I_{TM}=35A t_p=380\mu s$ | $T_j=25$ | 1.5 | V |
| V_{TO} | Threshold voltage | $T_j=125$ | 0.73 | V |
| R_D | Dynamic resistance | $T_j=125$ | 25 | m |
| I_{DRM} | $V_D=V_{DRM} V_R=V_{RRM}$ | $T_j=25$ | 5 | μA |
| I_{RRM} | | $T_j=125$ | 2 | mA |

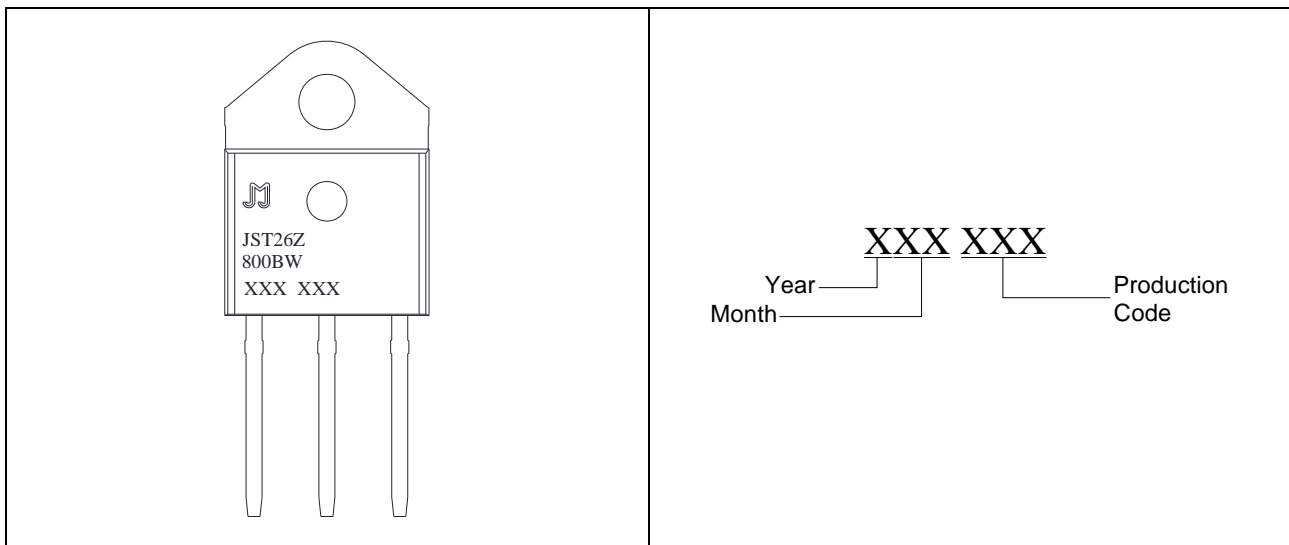
THERMAL RESISTANCES

| Symbol | Parameter | Value | Unit |
|---------------|--------------------------|-------|------|
| $R_{th(j-c)}$ | junction to case (AC) | 1.1 | /W |
| $R_{th(j-a)}$ | junction to ambient (AC) | 50 | /W |

ORDERING INFORMATION



MARKING



JST26Z-800BW

ORDERING INFORMATION

| Order code | Voltage V _{DRM} /V _{RPM} (V) | IGT(mA) | Package | Base qty. (pcs) | Delivery mode |
|---------------------|---------------------------------------------------|-----------|-------------------|--------------------|------------------|
| | | - - | | | |
| JST26Z-800BW | 800 | 50 | TO-3P(Ins) | 30 | Tube |

Document Revision History


| Date | Revision | Changes |
|--------------|----------|--------------------------------|
| Apr.12, 2023 | A.1.0 | Last update |
| Oct.16, 2025 | A.1.1 | Revise PACKAGE MECHANICAL DATA |

PACKAGE MECHANICAL DATA



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