



**JST26Z-1200BW 25A TRIAC**

Rev.A.1.1

**DESCRIPTION:**

|                                                                      |          |     |    |
|----------------------------------------------------------------------|----------|-----|----|
| Peak gate power                                                      | $P_{GM}$ | 10  | W  |
| Peak pulse voltage<br>( $T_j=25$ ; non-repetitive, off-state; FIG.7) | $V_{pp}$ | 2.5 | kV |

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

| Symbol      | Test Condition                                | Quadrant | Value |      | Unit       |
|-------------|-----------------------------------------------|----------|-------|------|------------|
| $I_{GT}$    | $V_D=12V$ $R_L=33\Omega$                      | - -      | MAX.  | 50   | mA         |
| $V_{GT}$    |                                               | - -      | MAX.  | 1    | V          |
| $V_{GD}$    | $V_D=V_{DRM}$ $T_j=125$<br>$R_L=3.3k\Omega$   | - -      | MIN.  | 0.2  | V          |
| $I_L$       | $I_G=1.2I_{GT}$                               | -        | MAX.  | 90   | mA         |
|             |                                               |          |       | 100  |            |
| $I_H$       | $I_T=500mA$                                   |          | MAX.  | 80   | mA         |
| $dV/dt$     | $V_D=800V$ Gate Open $T_j=125$                |          | MIN.  | 2500 | V/ $\mu s$ |
| $(dI/dt)_c$ | $(dV/dt)_c=20V/\mu s$ $T_j=125$               |          | MIN.  | 25   | A/ms       |
| $t_{on}$    | $I_G=80mA$ $I_A=400mA$ $I_R=40mA$<br>$T_j=25$ |          | TYP.  | 2    | $\mu s$    |
| $t_{off}$   |                                               |          |       | 60   |            |

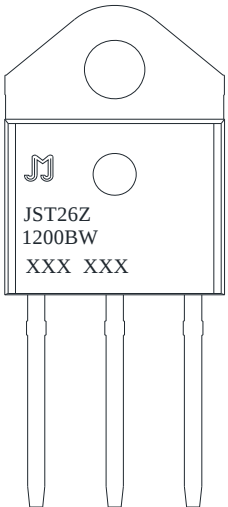
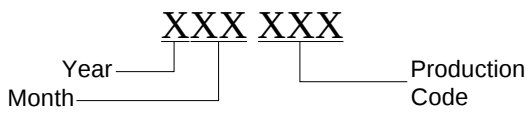
**STATIC CHARACTERISTICS**

| Symbol    | Parameter                   |           | Value(MAX.) | Unit       |
|-----------|-----------------------------|-----------|-------------|------------|
| $V_{TM}$  | $I_{TM}=35A$ $t_p=380\mu s$ | $T_j=25$  | 1.7         | V          |
| $V_{TO}$  | Threshold voltage           | $T_j=125$ | 0.75        | V          |
| $R_D$     | Dynamic resistance          | $T_j=125$ | 26          | m $\Omega$ |
| $I_{DRM}$ | $V_D=V_{DRM}$ $V_R=V_{RRM}$ | $T_j=25$  | 10          | $\mu A$    |

## ORDERING INFORMATION

|                                   |                    |                     |          |                                |                         |
|-----------------------------------|--------------------|---------------------|----------|--------------------------------|-------------------------|
| <u>J</u>                          | <u>ST</u>          | <u>26</u>           | <u>Z</u> | <u>-1200</u>                   | <u>BW</u>               |
| JieJie Microelectronics Co., Ltd. | Triacs             |                     |          |                                |                         |
|                                   | <u>IT(RMS):25A</u> |                     |          |                                |                         |
|                                   |                    | <u>Z:TO-3P(Ins)</u> |          |                                |                         |
|                                   |                    |                     |          |                                | <u>BW:IGT1-3 0.50mA</u> |
|                                   |                    |                     |          | <u>1200:VDRM /VRRM 1 1200V</u> |                         |

## MARKING

|                                                                                     |                                                                                      |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|  |  |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|





**ORDERING INFORMATION**

| Order code    | Voltage<br>V <sub>DRM</sub> /V <sub>RRM</sub> (V) | IGT(mA) | Package    | Base qty.<br>(pcs) | Delivery<br>mode |
|---------------|---------------------------------------------------|---------|------------|--------------------|------------------|
|               |                                                   | - -     |            |                    |                  |
| JST26Z-1200BW | 1200                                              | 50      | TO-3P(Ins) | 30                 | Tube             |

**Document Revision History**

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

**JST26Z-1200BW**



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