

JST12A-1200TW

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|--|-------------|-----|---|
| Average gate power dissipation ($T_j=125$) | $P_{G(AV)}$ | 0.5 | W |
| Peak gate power | P_{GM} | 10 | W |
| Peak pulse voltage ($T_j=25$) | | | |

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I_{GT}

D 0.480.004 Tc -0.002 Tw 12 0 0 121740.52 612.6 Tm [(-8 t12V)1 (R)]TJ -0.034 Tc 0.034 Tw 8.04 0 0 8.04 180.84 612.12 Tm

365 >>BDC 0.004 Tc -0.004 Tw 6.26 0.97 Tc -0.005 Td 0.005 Tw 1.07 (w)1386 >>BDC 0.007 Tc -0.007 Tw 5.84 -0.97 Td (mA)Tj 0 Tc 0

D=800V Gae e n Tj 25 MIN. .<0107>Tj EMON.11Span.7 (/w)1386 >>BDC /TT3 1 Tf -

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t_{on}

$I_G = 10$ mA $I_R = 0$ mA

$T_j = 25$ TYP.313.481 0MC13.7 (/w)139481 0P <<6.69 0.97 Td [(2)-435313.481 0MC13

| Sybol | Pameter | VuMAX .) | |
|-------|---------|----------|--|
|-------|---------|----------|--|

V_{TM} $T_M = 380$ s313.481 0MC13.7 (/w)13106 >>BDC 3.77 0 Td (T)Tj 8.04 0 0 8.04

j= 25

0.78V313.481 0MCET 56.4 309

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I_{DRM}

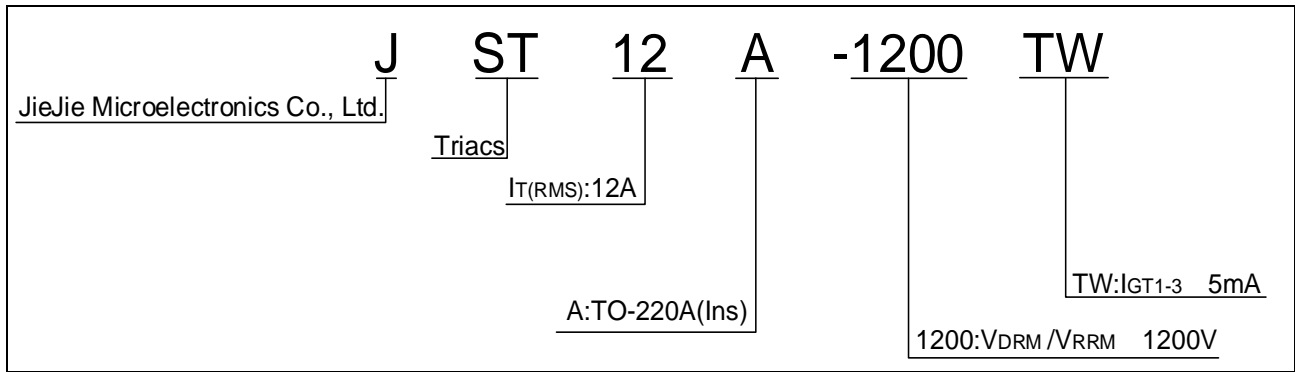
$V_D = V_{DRM}$

j= 25

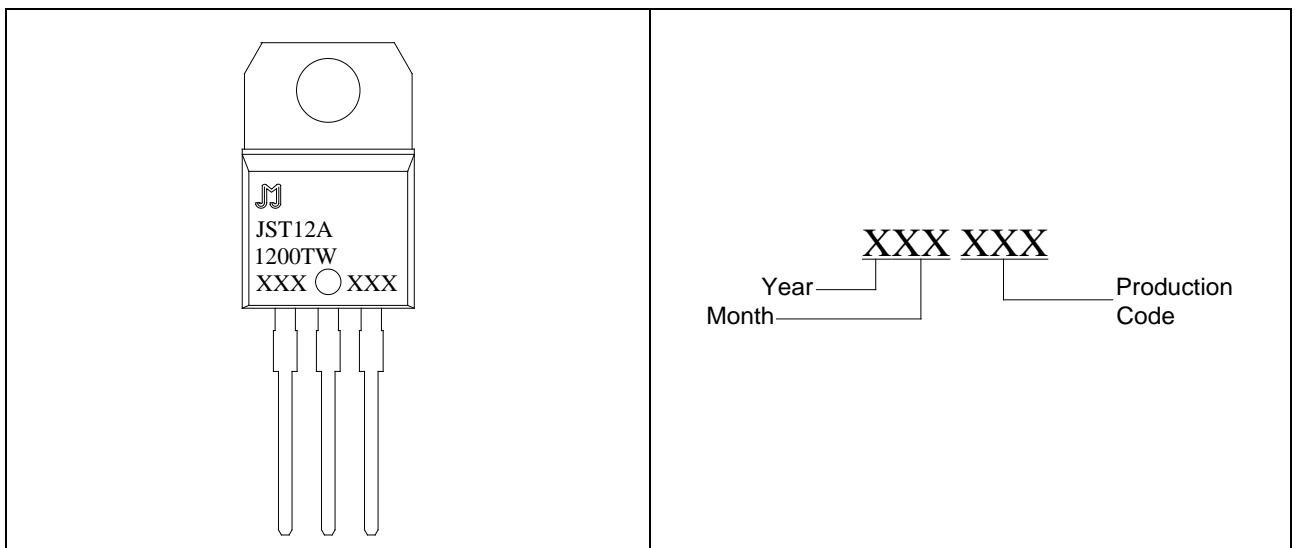
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P

ORDERING INFORMATION



MARKING



ORDERING INFORMATION

| Order code | Voltage V _{DRM} /V _{RRM} (V) | IGT(mA) | Package | Base qty. (pcs) | Delivery mode |
|----------------------|---|----------|---------------------|--------------------|------------------|
| | | - - | | | |
| JST12A-1200TW | 1200 | 5 | TO-220A(Ins) | 50 | Tube |

Document Revision History

| Date | Revision | Changes |
|--------------|----------|--------------------------------|
| Apr.11, 2023 | A.1.0 | Last updated |
| Oct.13, 2025 | A.1.1 | Revise PACKAGE MECHANICAL DATA |

