



ELECTRICAL CHARACTERISTICS (unless otherwise specified)

| Symbol | Test Condition | Quadrant | Value | Unit |
|--------|----------------|----------|-------|------|
|--------|----------------|----------|-------|------|

$I_{GT}$

$V_D=12V$   $R_L=33$

- - 10GTmAGT

## ORDERING INFORMATION

| J                                 | ST     | 137           | C         | -800                 | E                         | X               |
|-----------------------------------|--------|---------------|-----------|----------------------|---------------------------|-----------------|
| JieJie Microelectronics Co., Ltd. | Triacs | $I_T(RMS):8A$ | C:TO-220C | 800:VDRM /VRRM 1800V | E:IGT1-3 010mA IGT4 025mA | X:Small current |

## MARKING

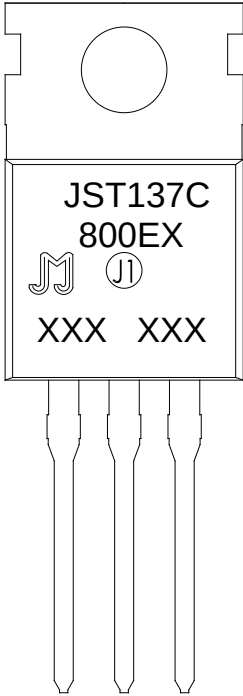
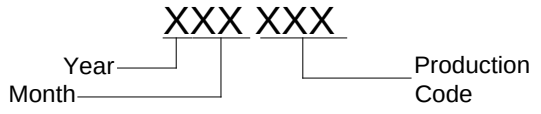
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|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|  |  |
|-------------------------------------------------------------------------------------|-----------------------------------------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

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

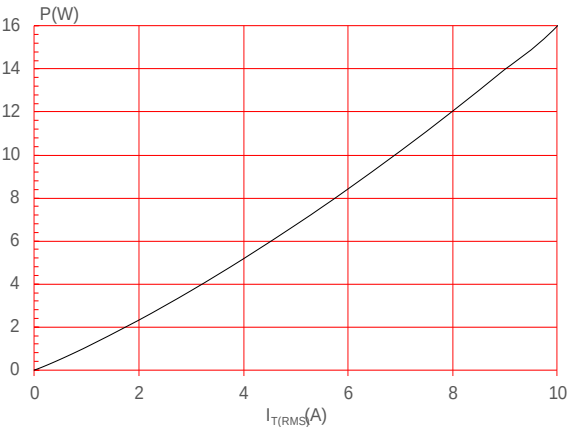
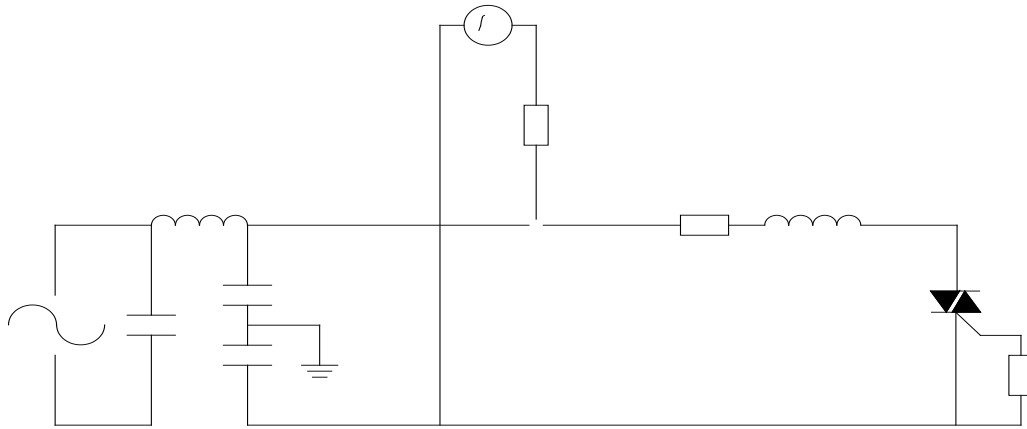


FIG.2: RMS on-state current versus case temperature

FIG.3: Surge peak on-state current versus number of cycles



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 |
|---------------|------------------------------------------------|---------|----|---------|--------------------|------------------|
|               |                                                | H- I- J | K  |         |                    |                  |
| JST137C-800EX | 800                                            | 10      | 25 | TO-220C | 50                 | Tube             |

## Document Revision History

| Date         | Revision | Changes                        |
|--------------|----------|--------------------------------|
| Apr.14, 2023 | A.1.0    | Last updated                   |
| Oct.16, 2025 | A.1.1    | Revise PACKAGE MECHANICAL DATA |



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parties which may result fJJQ0 (t)2 (s)017, (om)4362( )Tj -0.t (i)6Td 03 Tw 0.21 0 Td 39(i)6 (es)JTJ 0 Tc0