

JST08H-800CW 8A TRIAC

Rev.A.1.1

## DESCRIPTION:

The JST08H-800CW triac is suitable for general purpose AC switching. It can be used as an ON/OFF function in applications such as heating regulation, induction motor starting circuits, for phase control operation in light dimmers, motor speed controllers. JST08H-800CW

|                                                                      |          |   |    |
|----------------------------------------------------------------------|----------|---|----|
| Peak pulse voltage<br>( $T_j=25$ ; non-repetitive, off-state; FIG.7) | $V_{pp}$ | 2 | kV |
|----------------------------------------------------------------------|----------|---|----|

ELECTRICAL CHARACTERISTICS (unless otherwise specified)

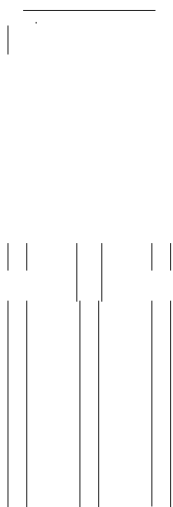
| Symbol   | Test Condition                        | Quadrant | Value |     | Unit |
|----------|---------------------------------------|----------|-------|-----|------|
| $I_{GT}$ | $V_D=12V$ $R_L=33$                    | - -      | MAX.  | 35  | mA   |
| $V_{GT}$ |                                       | - -      | MAX.  | 1   | V    |
| $V_{GD}$ | $V_D=V_{DRM}$ $T_j=125$<br>$R_L=3.3k$ | - -      | MIN.  | 0.2 | V    |

$I_L$   $I_G=1$  re 1[90.58 35 >>BDC 6.5 0 Td [(0)-2(.2)]TJ 0 Tc 08.8 579.72 Tm (l)Tj Tw 12 0 8.04

ORDERING INFORMATION

|                                   |           |                 |                 |                                                   |                                   |
|-----------------------------------|-----------|-----------------|-----------------|---------------------------------------------------|-----------------------------------|
| <u>J</u>                          | <u>ST</u> | <u>08</u>       | <u>H</u>        | <u>-800</u>                                       | <u>CW</u>                         |
| JieJie Microelectronics Co., Ltd. | Triacs    | $I_{T(RMS)}:8A$ |                 |                                                   |                                   |
|                                   |           |                 | <u>H:TO-251</u> |                                                   | <u>CW:I<sub>GT1-3</sub> 035mA</u> |
|                                   |           |                 |                 | <u>800:V<sub>DRM</sub> /V<sub>RRM</sub> 1800V</u> |                                   |

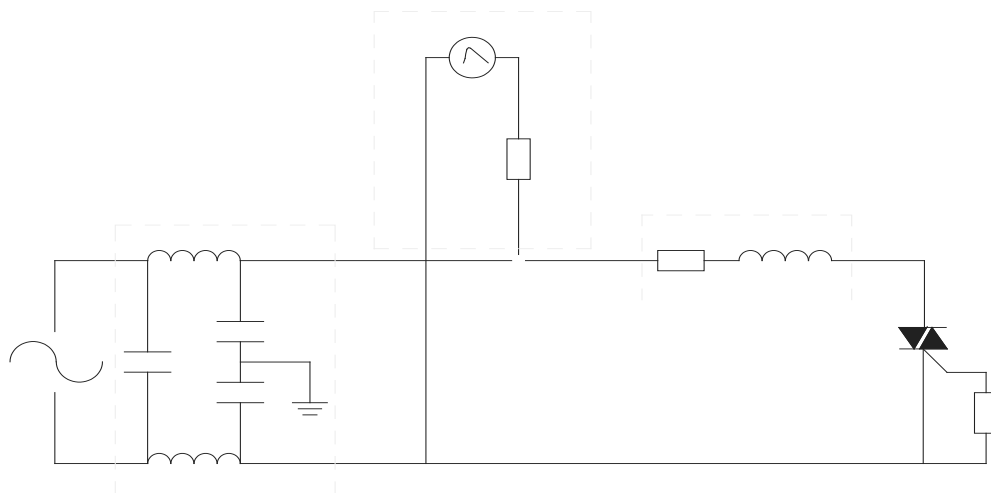
MARKING



JST08H-800CW

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FIG.7 ÖTest circuit for inductive and resistive loads to IEC-61000-4-5 standards



ORDERING INFORMATION

| Order code | Voltage<br>V <sub>DRM</sub> /V <sub>RRM</sub> (V) | IGT(mA) | Package | Base qty.<br>(pcs) | Delivery |
|------------|---------------------------------------------------|---------|---------|--------------------|----------|
|            |                                                   |         |         |                    |          |

PACKAGE MECHANICAL DATA

