

JST134V-800E 1A TRIAC

Rev.A.1.1

## DESCRIPTION:

The JST134V-800E 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. Package SOT-223 is RoHS compliant.

## MAIN FEATURES

## ABSOLUTE MAXIMUM RATINGS

Paramet ( )T5 [(80)-10(amTc 0 Tw ).2 427.08 Tm [(P)1 (ar)3 0 (5mBDC 0.002





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



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

FIG.7: Relative variations of gate trigger current,  
holding current and latching current versus  
junction temperature

FIG.8 ÖTest circuit for inductive and resistive loads to IEC-61000-4-

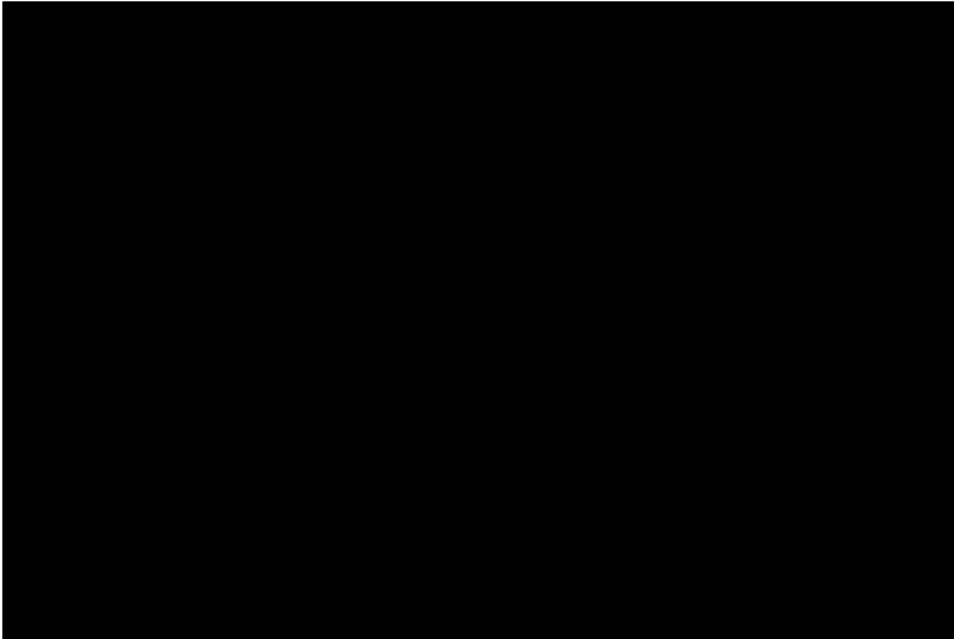
ORDERING INFORMATION

| Order code   | Voltage<br>V <sub>DRM</sub> /V <sub>RRM</sub> (V) | IGT(mA) |  | Package | Base qty.<br>(pcs) | Delivery<br>mode |
|--------------|---------------------------------------------------|---------|--|---------|--------------------|------------------|
|              |                                                   | - -     |  |         |                    |                  |
| JST134V-800E | 800                                               | 10101   |  |         |                    |                  |

PACKAGE MECHANICAL DATA

| Ref. | Dimensions  |      |      |        |      |
|------|-------------|------|------|--------|------|
|      | Millimeters |      |      | Inches |      |
|      | Min.        | Typ. | Max. | Min.   | Typ. |

DELIVERY MODE

|                                                                                    |  |  |  |        |       |       |
|------------------------------------------------------------------------------------|--|--|--|--------|-------|-------|
|  |  |  |  | Inches |       |       |
|                                                                                    |  |  |  | n.     | Typ.  | Max.  |
|                                                                                    |  |  |  |        |       | 0.482 |
|                                                                                    |  |  |  | 65     | 0.069 | 0.073 |
|                                                                                    |  |  |  | 15     | 0.217 | 0.219 |
|                                                                                    |  |  |  |        | 0.061 | 0.063 |
|                                                                                    |  |  |  |        |       |       |
|                                                                                    |  |  |  | 54     | 0.157 | 0.161 |
|                                                                                    |  |  |  | 11     | 0.315 | 0.319 |
|                                                                                    |  |  |  | 77     | 0.079 | 0.081 |
|                                                                                    |  |  |  | 67     | 1.575 | 1.583 |
|                                                                                    |  |  |  | 69     | 0.273 | 0.276 |
|                                                                                    |  |  |  | 80     | 0.284 | 0.288 |
|                                                                                    |  |  |  | 76     | 0.080 | 0.084 |
|                                                                                    |  |  |  | 08     | 0.010 | 0.012 |

