



JST138E-800D 12A TRIAC

Rev.A.1.1

DESCRIPTION:

The JST138E-800D 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 TO-263 is RoHS compliant.

MAIN FEATURES

ABSOLUTE MAXIMUM RATINGS

| Parameter | Symbol | Value | Unit |
|------------------------------------|----------------|-------|------|
| Storage junction temperature range | $T_{st048mer}$ | | |

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

| Symbol | Test Condition | Quadrant | Value | Unit |
|---------------|-----------------------|-----------------|--------------|-------------|
| I_{GT} | $V_D=12V R_L=33$ | - | | |

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

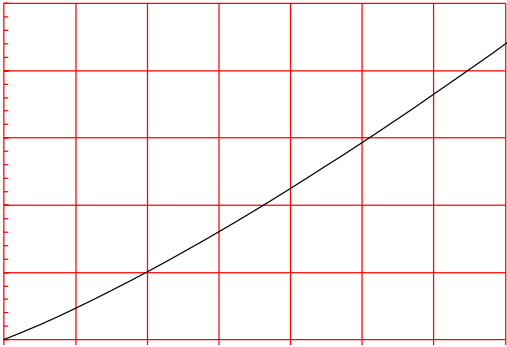
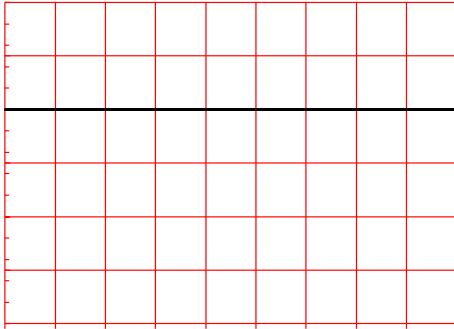


FIG.2: RMS on-state current versus case temperature

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



ORDERING INFORMTON

| Order coe | Voltage V_{DRM}/V_{RRM} (V) | IGT(m) | | Packag | Base qty. (p) | Deliver mode |
|--------------|----------------------------------|---------|--|--------|------------------|-----------------|
| | | H- I- J | | | | |
| JST138E-800D | | | | | | |

JST138E-800D-TR

| Date | Revision | Changes |
|------|----------|---------|
|------|----------|---------|

DELIVERY MODE



