JST139E-800D 16A TRIAC

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

| Symbol | Test Condition | Quadrant | Value | | Unit |
|---|---|---|---|---|---|
| $I_{GT}$ | $V_D$=12V $R_L$=33 | - - | MAX. | 5 | mA |
| | | | | 10 | |
| $V_{GT}$ | | ALL | MAX. | 1 | V |
| $V_{GD}$ | $V_D$=$V_{DRM}$ $T_j$=125 $R_L$=3.3k | ALL | MIN. | 0.2 | V |
| $I_L$ | $I_G$=1.2$I_{GT}$ | - - | MAX. | 15 | mA |
| | | | | 20 | |
| $I_H$ | $I_T$=500mA | | MAX. | 10 | mA |
| dV/dt | $V_D$=540V Gate Open $T_j$=125 | | MIN. | 40 | V s |
| (dV/dt)c | (dI/dt)c=7.2A/ms, T | 54 >>BDC 0.004 Tc 74054 >>BDC 0.004 Tc 800 | | | |

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

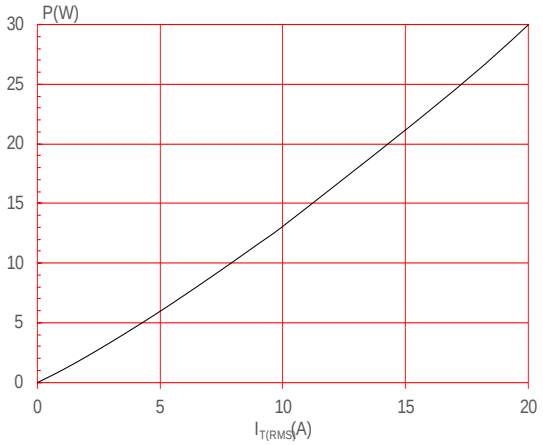
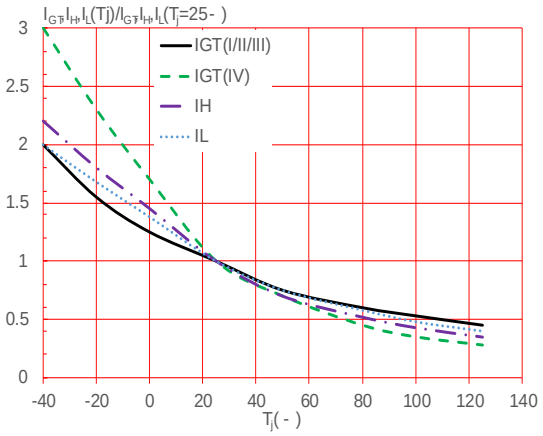



FIG.2: RMS on-state current versus case temperature

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



## ORDERING INFORMATION

| Order code | Voltage $V_{DRM}/V_{RRM}$ (V) | IGT(mA) | | Package | Base qty. (pcs) | Delivery mode |
|---|---|---|---|---|---|---|
| | | H- I- J | K | | | |
| JST139E-800D | 800 | 5 | 10 | TO-263 | 50 | Tube |

PACKAGE MECHANICAL DATA

# DELIVERY MODE



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