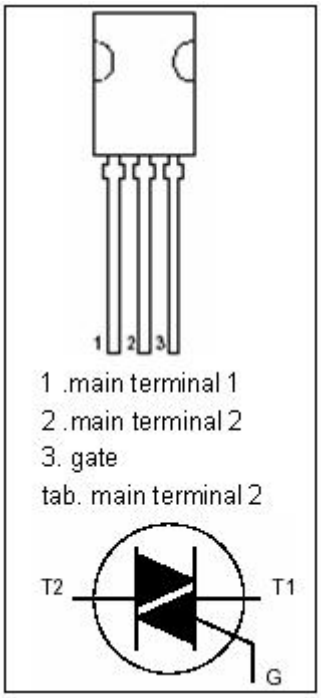
# isc Triacs BT134

## FEATURES

- With TO-126P package
- Designed for use in general purpose bidirectional switching and phase control applications , which are intended to be interfaced directly to microcontrollers , logic integrated circuits and other low power gate trigger circuits.
- Minimum Lot-to-Lot variations for robust device performance and reliable operation




## ABSOLUTE MAXIMUM RATINGS(Ta=25℃)

| SYMBOL | PARAMETER | MIN | UNIT |
|---|---|---|---|
| $V_{DRM}$ | Repetitive peak off-state voltage | 600 | V |
| $V_{RRM}$ | Repetitive peak off-state voltage | 600 | V |
| $I_{T(RMS)}$ | RMS on-state current (full sine wave) | 4 | A |
| $I_{TSM}$ | Non-repetitive peak on-state current | 25 | A |
| $P_{GM}$ | Peak gate power dissipation | 5 | W |
| $P_{G(AV)}$ | Average gate power dissipation | 0.5 | W |
| $T_j$ | Operating junction temperature | 125 | ℃ |
| $T_{stg}$ | Storage temperature | -45~150 | ℃ |

## ELECTRICAL CHARACTERISTICS ($T_C$=25℃ unless otherwise specified)

| SYMBOL | PARAMETER | | CONDITIONS | MIN | MAX | UNIT |
|---|---|---|---|---|---|---|
| $I_{RRM}$ | Repetitive peak reverse current | | $V_R=V_{RRM}$,<br>$V_R=V_{RRM}$, Tj=125℃ | | 0.01<br>0.2 | mA |
| $I_{DRM}$ | Repetitive peak off-state current | | $V_D=V_{DRM}$,<br>$V_D=V_{DRM}$, Tj=125℃ | | 0.01<br>0.2 | mA |
| $I_{GT}$ | Gate trigger current | I | $V_D$=12V; $I_T$= 0.1A | | 35 | mA |
| | | II | | | 35 | |
| | | III | | | 35 | |
| | | IV | | | 70 | |
| $V_{TM}$ | On-state voltage | | $I_T$= 5A | | 1.7 | V |
| $I_H$ | Holding current | | $I_{GT}$= 0.1A, $V_D$= 12V | | 10 | mA |
| $V_{GT}$ | Gate trigger voltage | | $V_D$=12V; $I_T$= 0.1A | | 1.5 | V |