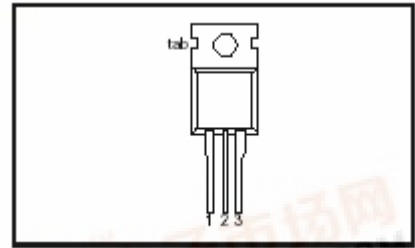


Triacs

INCHANGE

BT136-600E



| PIN | DESCRIPTION |
|-----|-----------------|
| 1 | main terminal 1 |
| 2 | main terminal 2 |
| 3 | gate |
| tab | main terminal 2 |

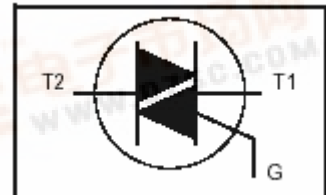
◆ Features

- With TO-220AB package
- Glass passivated, sensitive gate triacs in a plastic envelope, intended for use in general purpose bidirectional switching and phase control applications, where high sensitivity is required in all four quadrants.

◆ QUICK REFERENCE DATA

| SYMBOL | PARAMETER | VALUE | UNIT |
|-------------|--------------------------------------|-----------|------|
| V_{DRM} | Repetitive peak off-state voltage | 600 | V |
| V_{RRM} | Repetitive peak off-state voltage | 600 | V |
| $I_{T(AV)}$ | Average on-state current | 4 | A |
| I_{TSM} | Non-repetitive peak on-state current | 25 | A |
| T_{stg} | Storage temperature | -45 ~ 150 | |
| T_j | Operating junction temperature | 110 | |

| | | | | | |
|--|--|--|--|--|----------|
| | | | | | TO-220AB |
|--|--|--|--|--|----------|



◆ ELECTRICAL CHARACTERISTICS ($T_j = 25^\circ\text{C}$, unless otherwise specified)

| SYMBOL | PARAMETER | CONDITIONS | MIN | MAX | UNIT |
|-----------|-----------------------------------|---------------------------------------|-----|-----|------|
| V_{DRM} | Repetitive peak off-state voltage | $I_D=0.1\text{mA}$ | 600 | | V |
| V_{RRM} | Repetitive peak reverse voltage | $I_D=0.5\text{mA}$ | 600 | | V |
| I_{GT} | Gate trigger current | $V_D=12\text{V}; R_L=100$ T2+ G+ | | 10 | mA |
| | | T2+ G- | | 10 | |
| | | T2- G- | | 10 | |
| | | T2- G+ | | 25 | |
| V_T | On-state voltage | $I_T=5\text{A}$ | | 1.7 | V |
| I_H | Holding current | $I_T=0.1\text{A}; I_{GT}=20\text{mA}$ | | 15 | mA |
| V_{GT} | Gate trigger voltage | $V_D=12\text{V}; R_L=100$ T2+ G+ | | 1.5 | V |
| | | T2+ G- | | 1.5 | |
| | | T2- G- | | 1.5 | |
| | | T2- G+ | | 1.8 | |