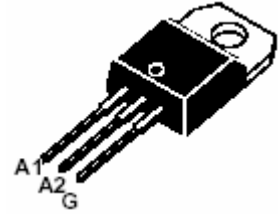


BTA16-600B

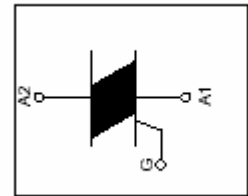
◆ Features

- With TO-220AB Insulated package
- This type is suitable for general purpose AC switching, and can be used as an ON/OFF function in applications such as static relays, heating regulation, induction motor starting circuits... or for phase control operation in light dimmers, motor speed controllers, etc



◆ 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 | 16 | A | | |
| I_{TSM} | Non-repetitive peak on-state current | 160 | A | | |
| T_{stg} | Storage temperature | -45~150 | °C | | |
| T_j | Operating junction temperature | 110 | °C | | 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 | $V_D=12\text{V}; R_L=100\ \Omega$ T2+ G+ | | 50 | mA |
| | | T2+ G- | | 50 | |
| | | T2- G- | | 50 | |
| | | T2- G+ | | 100 | |
| V_T | On-state voltage | $I_T=22.5\text{A}$ | | 1.6 | V |
| I_H | Holding current | $I_T=0.5\text{A}; I_{GT}=50\text{mA}$ | | 50 | mA |
| V_{GT} | Gate trigger voltage | $V_D=12\text{V}; R_L=100\ \Omega$ T2+ G+ | | 1.5 | V |
| | | T2+ G- | | 1.5 | |
| | | T2- G- | | 1.5 | |
| | | T2- G+ | | 1.8 | |