



Triacs sensitive gate

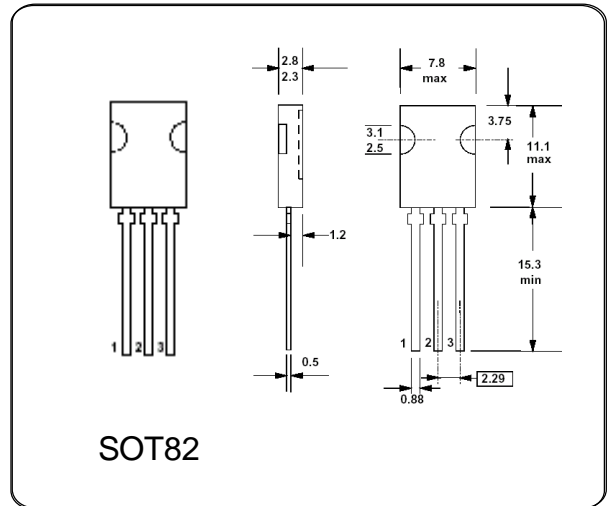
BT134-600

GENERAL DESCRIPTION

Glass passivated triacs in a plastic envelope, intended for use in applications requiring high bidirectional transient and blocking voltage capability and high thermal cycling performance. Typical applications include motor control, industrial and domestic lighting,

ABSOLUTE MAXIMUM RATINGS (Ta = 25°C)

| Parameter | Symbol | Typ | Unit |
|--------------------------------------|------------------------|---------|------|
| Repetitive peak off-state voltages | V_{DRM} V_{RRM} | 600 | V |
| RMS on-state current | $I_{T(RMS)}$ | 4.0 | A |
| Non-repetitive peak on-state current | I_{TSM} | 25 | A |
| Max. Operating Junction Temperature | T_j | 110 | °C |
| Storage Temperature | T_{stg} | -45~150 | °C |



ELECTRICAL CHARACTERISTICS (Ta = 25°C)

| Parameter | | Symbol | Test Conditions | Min | Typ | Max | Unit |
|------------------------------------|-------|------------------------|---|-----|-----|-----|------|
| Repetitive peak off-state voltages | | V_{DRM} V_{RRM} | | — | 600 | — | V |
| RMS on-state current | | $I_{T(RMS)}$ | full sine wave; $T_{mb} \leq 107^\circ\text{C}$ | — | 4 | — | A |
| On-state voltage | | V_T | $I_T = 5\text{A}$ | — | 1.4 | 1.7 | V |
| Holding current | | I_H | $V_D = 12\text{V}; I_{GT} = 0.1\text{A}$ | — | 1.2 | 10 | mA |
| Gate trigger current | T2+G+ | I_{GT} | $V_D = 12\text{V}; I_T = 0.1\text{A}$ | — | 2.0 | 5.0 | mA |
| | T2+G- | | | — | 2.5 | 5.0 | |
| | T2-G- | | | — | 2.5 | 5.0 | |
| | T2-G+ | | | — | 5.0 | 10 | |
| Latching current | T2+G+ | I_L | $V_D = 12\text{V}; I_{GT} = 0.1\text{A}$ | — | 1.6 | 10 | mA |
| | T2+G- | | | — | 4.5 | 15 | |
| | T2-G- | | | — | 1.2 | 10 | |
| | T2-G+ | | | — | 2.2 | 15 | |
| Gate trigger voltage | | V_{GT} | $V_D = 12\text{V}; I_T = 0.1\text{A}$ | — | 0.7 | 1.5 | V |