

isc Silicon NPN Power Transistor
2SC2934
DESCRIPTION

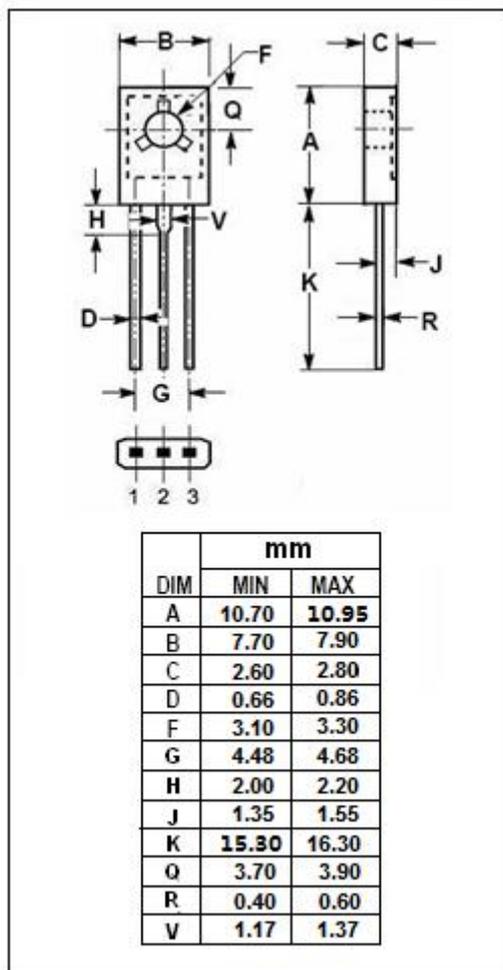
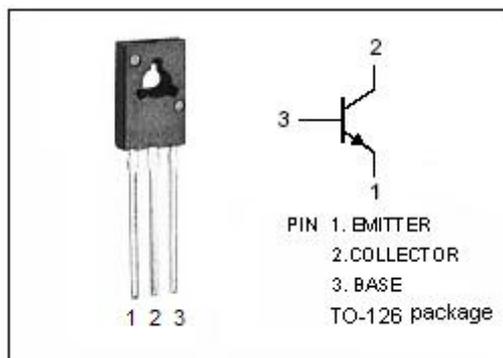
- High breakdown voltage
- 100% avalanche tested
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

APPLICATIONS

- The 2SC2934 is suitable for low power switching regulator, DC-DC converter and high voltage switch.

ABSOLUTE MAXIMUM RATINGS(T_a=25°C)

| SYMBOL | PARAMETER | VALUE | UNIT |
|------------------|---|---------|------|
| V _{CBO} | Collector-Base Voltage | 300 | V |
| V _{CEO} | Collector-Emitter Voltage | 300 | V |
| V _{EBO} | Emitter-Base Voltage | 7 | V |
| I _c | Collector Current-Continuous | 0.2 | A |
| P _C | Collector Power Dissipation @ T _c =25°C | 12.5 | W |
| T _J | Junction Temperature | -55~150 | °C |
| T _{stg} | Storage Temperature Range | -55~150 | °C |



isc Silicon NPN Power Transistor**2SC2934****ELECTRICAL CHARACTERISTICS** $T_c=25^\circ\text{C}$ unless otherwise specified

| SYMBOL | PARAMETER | CONDITIONS | MIN | TYP. | MAX | UNIT |
|---------------|--------------------------------------|--------------------------------------|-----|------|-----|---------------|
| $V_{CE(sat)}$ | Collector-Emitter Saturation Voltage | $I_C=50\text{mA}; I_B=5\text{mA}$ | | | 1.5 | V |
| I_{CBO} | Collector Cutoff Current | $V_{CB}=300\text{V}; I_E=0$ | | | 100 | μA |
| I_{EBO} | Emitter Cutoff Current | $V_{EB}=7\text{V}; I_C=0$ | | | 100 | μA |
| h_{FE} | DC Current Gain | $I_C=50\text{mA}; V_{CE}=10\text{V}$ | 50 | | 300 | |

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