

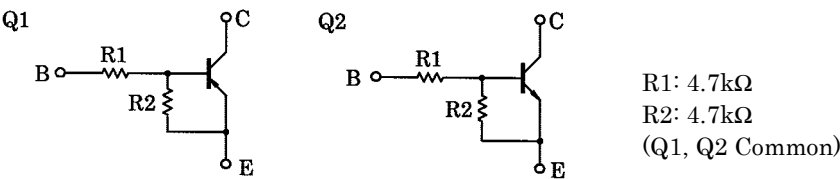
TOSHIBA Transistor  
Silicon PNP Epitaxial Type (PCT Process) Silicon NPN Epitaxial Type (PCT Process)

RN4601

Switching, Inverter Circuit, Interface Circuit  
And Driver Circuit Applications

- Includeing two devices in SM6 (super mini type with 6 leads)
- With built-in bias resistors
- Simplify circuit design
- Reduce a quantity of parts and manufacturing process

Equivalent Circuit and Bias Resister Values

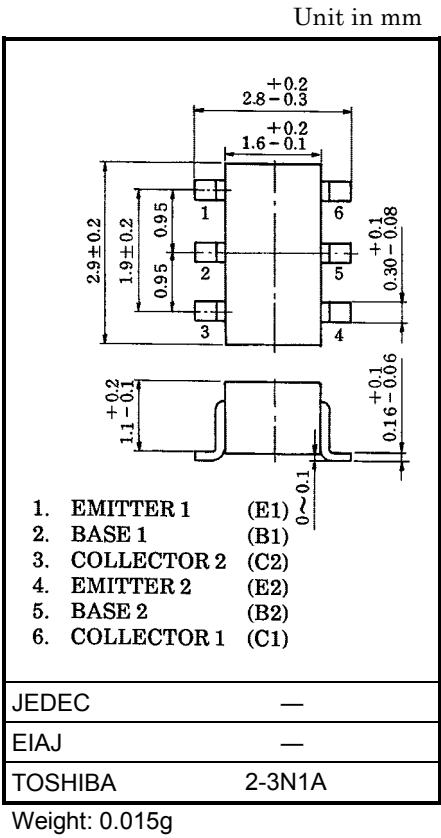


Q1 Maximum Ratings (Ta = 25°C)

| Characteristic            | Symbol           | Rating | Unit |
|---------------------------|------------------|--------|------|
| Collector-base voltage    | V <sub>CBO</sub> | -50    | V    |
| Collector-emitter voltage | V <sub>CEO</sub> | -50    | V    |
| Emitter-base voltage      | V <sub>EBO</sub> | -10    | V    |
| Collector current         | I <sub>C</sub>   | -100   | mA   |

Q2 Maximum Ratings (Ta = 25°C)

| Characteristic            | Symbol           | Rating | Unit |
|---------------------------|------------------|--------|------|
| Collector-base voltage    | V <sub>CBO</sub> | 50     | V    |
| Collector-emitter voltage | V <sub>CEO</sub> | 50     | V    |
| Emitter-base voltage      | V <sub>EBO</sub> | 10     | V    |
| Collector current         | I <sub>C</sub>   | 100    | mA   |

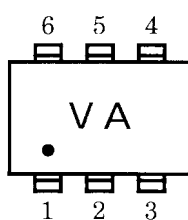


## Q1, Q2 Common Maximum Ratings (Ta = 25°C)

| Characteristic              | Symbol    | Rating  | Unit |
|-----------------------------|-----------|---------|------|
| Collector power dissipation | $P_C^*$   | 300     | mW   |
| Junction temperature        | $T_j$     | 150     | °C   |
| Storage temperature range   | $T_{stg}$ | -55~150 | °C   |

\* : Total rating

## Marking



## Equivalent Circuit (Top View)

