



## DRC5643T0L

Silicon NPN epitaxial planar type

For digital circuits / Muting

DRC2643T in SMini3 type package

### ■ Features

- Low collector-emitter saturation voltage  $V_{ce(sat)}$
- Halogen-free / RoHS compliant  
(EU RoHS / UL-94 V-0 / MSL:Level 1 compliant)

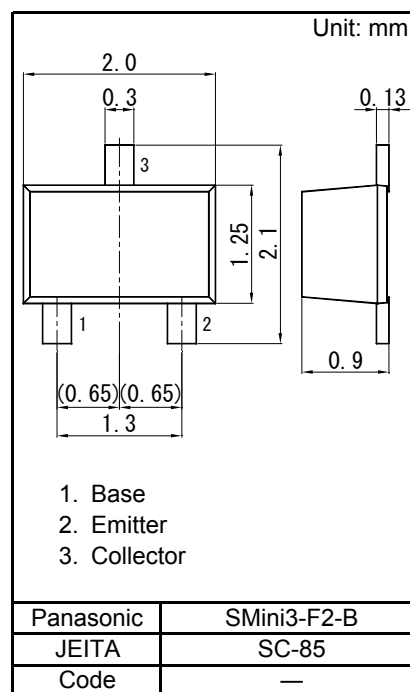
### ■ Marking Symbol: TU

### ■ Packaging

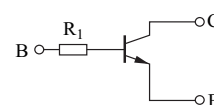
Embossed type (Thermo-compression sealing) : 3 000 pcs / reel (standard)

### ■ Absolute Maximum Ratings $T_a = 25\text{ }^{\circ}\text{C}$

| Parameter                             | Symbol | Rating      | Unit               |
|---------------------------------------|--------|-------------|--------------------|
| Collector-base voltage (Emitter open) | VCBO   | 30          | V                  |
| Collector-emitter voltage (Base open) | VCEO   | 20          | V                  |
| Emitter-base voltage (Collector open) | VEBO   | 5           | V                  |
| Collector current                     | IC     | 600         | mA                 |
| Total power dissipation               | PT     | 150         | mW                 |
| Junction temperature                  | Tj     | 150         | $^{\circ}\text{C}$ |
| Operating ambient temperature         | Topr   | -40 to +85  | $^{\circ}\text{C}$ |
| Storage temperature                   | Tstg   | -55 to +150 | $^{\circ}\text{C}$ |



### Internal Connection



|                  |    |     |            |
|------------------|----|-----|------------|
| Resistance value | R1 | 4.7 | k $\Omega$ |
|------------------|----|-----|------------|