

## ● Features

- External dimensions (Units : mm)

## 2SC4997

- (1) Emitter(Source)
- (2) Base(Gate)
- (3) Collector(Drain)

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Each lead has same dimensions

| Parameter                            | Symbol        | Min. | Typ. | Max. | Unit    | Conditions                      |
|--------------------------------------|---------------|------|------|------|---------|---------------------------------|
| Collector-base breakdown voltage     | $BV_{CBO}$    | 10   | -    | -    | V       | $I_C=1mA$                       |
| Collector-emitter breakdown voltage  | $BV_{CEO}$    | 15   | -    | -    | V       | $I_C=10\mu A$                   |
| Emitter-base breakdown voltage       | $BV_{EBO}$    | 5    | -    | -    | V       | $I_E=10\mu A$                   |
| Collector cutoff current             | $I_{CBO}$     | -    | -    | 0.1  | $\mu A$ | $V_{CB}=12V$                    |
| Emitter cutoff current               | $I_{EBO}$     | -    | -    | 0.1  | $\mu A$ | $V_{EB}=4V$                     |
| Collector-emitter saturation voltage | $V_{CE(sat)}$ | -    | -    | 0.15 | V       | $I_C/I_E=10mA/1mA$              |
| DC current transfer ratio            | $h_{FE}$      | 560  | 1600 | 2700 | -       | $V_{CE}=2V, I_C=5mA$            |
| Transition frequency                 | $f_T$         | -    | 240  | -    | MHz     | $V_{CE}=5V, I_C=10mA, f=200MHz$ |
| Output capacitance                   | $C_{ob}$      | -    | 1.4  | 3    | pF      | $V_{CB}=10V, I_E=0A, f=1MHz$    |