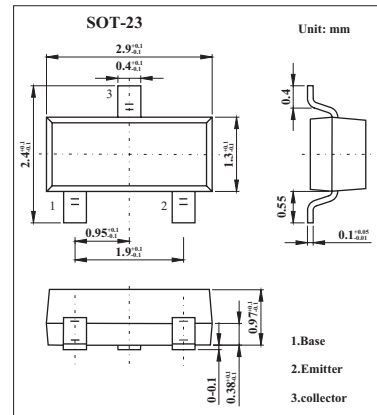


# 2SA1484

■ Features



■ Absolute Maximum Ratings Ta = 25°C

| Parameter                    | Symbol           | Rating      | Unit |
|------------------------------|------------------|-------------|------|
| Collector to base voltage    | V <sub>CB0</sub> | -90         | V    |
| Collector to emitter voltage | V <sub>CEO</sub> | -90         | V    |
| Emitter to base voltage      | V <sub>EBO</sub> | -5          | V    |
| Collector current            | I <sub>c</sub>   | -100        | mA   |
| Collector power dissipation  | P <sub>c</sub>   | 150         | mW   |
| Junction temperature         | T <sub>j</sub>   | 150         | °C   |
| Storage temperature          | T <sub>stg</sub> | -55 to +150 | °C   |

■ Electrical Characteristics Ta = 25°C

| Parameter                               | Symbol               | Testconditons                                         | Min | Typ | Max   | Unit |
|-----------------------------------------|----------------------|-------------------------------------------------------|-----|-----|-------|------|
| Collector to base breakdown voltage     | V <sub>(BR)CBO</sub> | I <sub>c</sub> = -10 μA, I <sub>E</sub> = 0           | -90 |     |       | V    |
| Collector to emitter breakdown voltage  | V <sub>(BR)CEO</sub> | I <sub>c</sub> = -1 mA, R <sub>BE</sub> = ∞           | -90 |     |       | V    |
| Emitter to base breakdown voltage       | V <sub>(BR)EBO</sub> | I <sub>E</sub> = -10 μA, I <sub>C</sub> = 0           | -5  |     |       | V    |
| Collector cutoff current                | I <sub>CBO</sub>     | V <sub>CB</sub> = -70 V, I <sub>E</sub> = 0           |     |     | -0.1  | μA   |
| Emitter cutoff current                  | I <sub>EBO</sub>     | V <sub>EB</sub> = -2 V, I <sub>c</sub> = 0            |     |     | -0.1  | μA   |
| DC current transfer ratio               | h <sub>FE</sub>      | V <sub>CE</sub> = -12 V, I <sub>c</sub> = -2 mA ( * ) | 250 |     | 800   |      |
| Collector to emitter saturation voltage | V <sub>CE(sat)</sub> | I <sub>c</sub> = -10 mA, I <sub>B</sub> = -1 mA ( * ) |     |     | -0.15 | V    |
| Base to emitter saturation voltage      | V <sub>BE(sat)</sub> | I <sub>C</sub> = -10 mA, I <sub>B</sub> = -1 mA ( * ) |     |     | -1    | V    |

\* Pulse test.

■ hFE Classification

| Marking | IRD     | IRE     |
|---------|---------|---------|
| hFE     | 250~500 | 400~800 |