

2SA1534, 2SA1534A

Silicon PNP epitaxial planer type

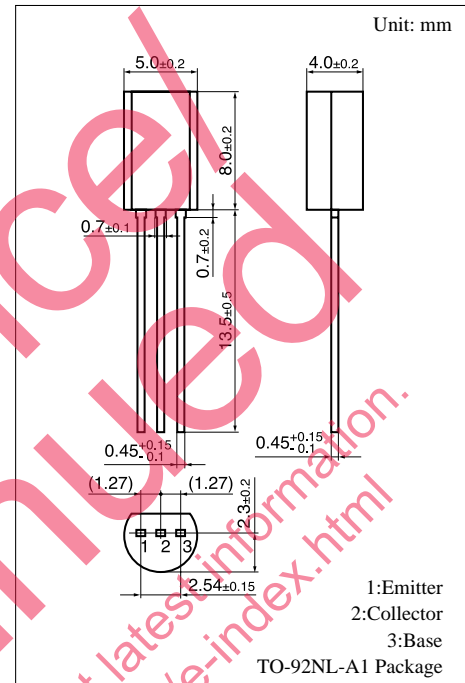
For low-frequency power amplification and driver amplification
Complementary to 2SC3940 and 2SC3940A

Features

- Complementary pair with 2SC3940 and 2SC3940A.
- Allowing supply with the radial taping and automatic insertion possible.

Absolute Maximum Ratings (Ta=25°C)

| Parameter | Symbol | Ratings | Unit |
|------------------------------|------------------|------------|------|
| Collector to base voltage | V _{CBO} | -30 | V |
| 2SA1534A | | -60 | |
| Collector to emitter voltage | V _{CEO} | -25 | V |
| 2SA1534A | | -50 | |
| Emitter to base voltage | V _{EBO} | -5 | V |
| Peak collector current | I _{CP} | -1.5 | A |
| Collector current | I _C | -1 | A |
| Collector power dissipation | P _C | 1 | W |
| Junction temperature | T _j | 150 | °C |
| Storage temperature | T _{stg} | -55 ~ +150 | °C |

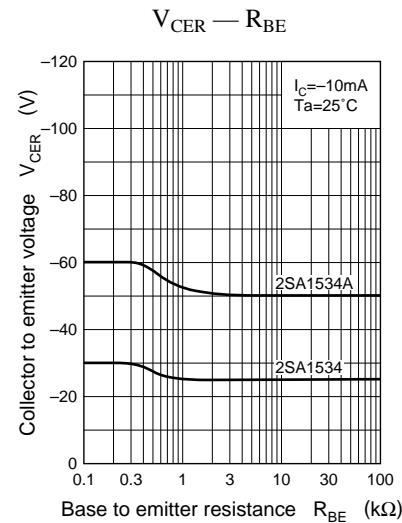
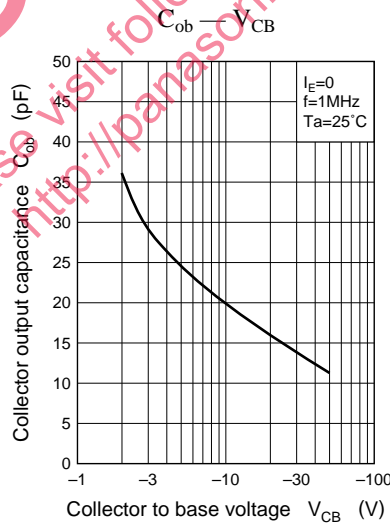
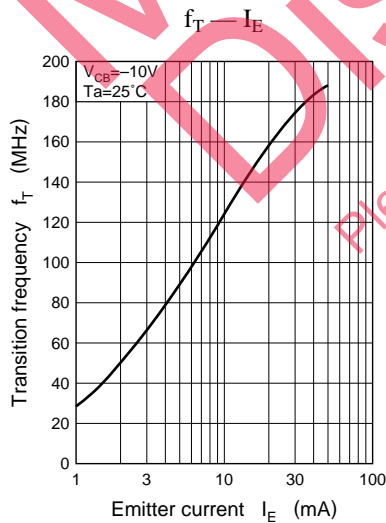
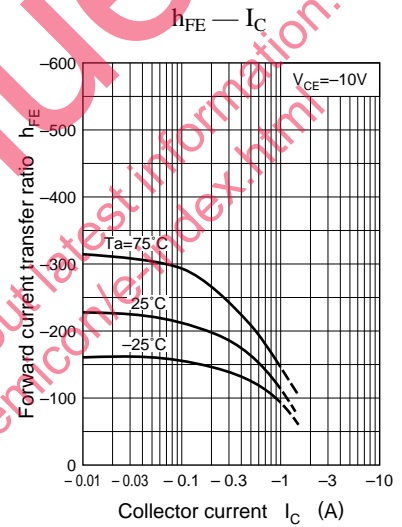
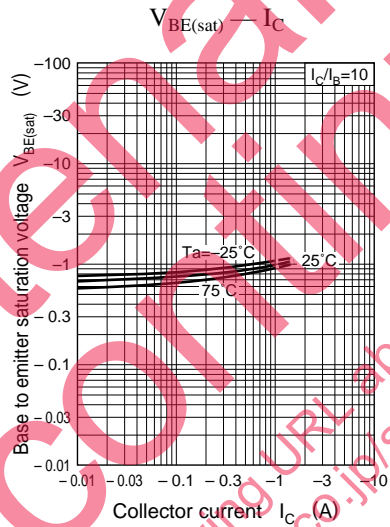
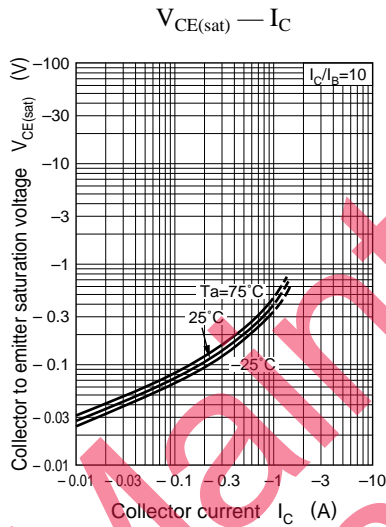
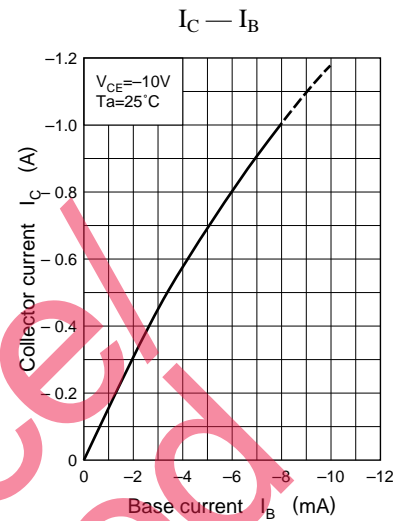
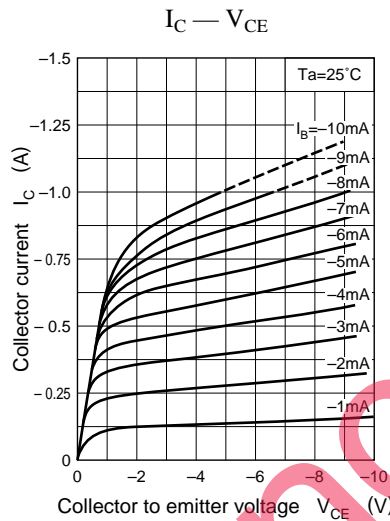
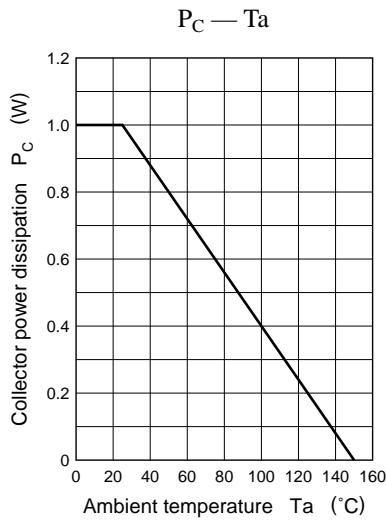


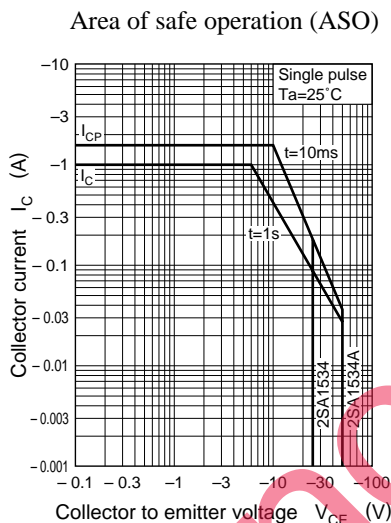
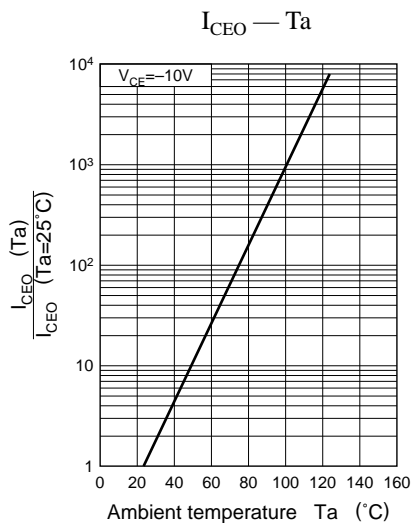
Electrical Characteristics (Ta=25°C)

| Parameter | Symbol | Conditions | min | typ | max | Unit |
|---|----------------------|---|-----|-------|------|------|
| Collector cutoff current | I _{CBO} | V _{CB} = -20V, I _E = 0 | | | -0.1 | μA |
| Collector to base voltage | V _{CBO} | I _C = -10μA, I _E = 0 | -30 | | | V |
| 2SA1534A | | | -60 | | | |
| Collector to emitter voltage | V _{CEO} | I _C = -2mA, I _B = 0 | -25 | | | V |
| 2SA1534A | | | -50 | | | |
| Emitter to base voltage | V _{EBO} | I _E = -10μA, I _C = 0 | -5 | | | V |
| Forward current transfer ratio | h _{FE1} * | V _{CE} = -10V, I _C = -500mA | 85 | | 340 | |
| | h _{FE2} | V _{CE} = -5V, I _C = -1A | 50 | | | |
| Collector to emitter saturation voltage | V _{CE(sat)} | I _C = -500mA, I _B = -50mA | | -0.2 | -0.4 | V |
| Base to emitter saturation voltage | V _{BE(sat)} | I _C = -500mA, I _B = -50mA | | -0.85 | -1.2 | V |
| Transition frequency | f _T | V _{CB} = -10V, I _E = 50mA, f = 200MHz | | 200 | | MHz |
| Collector output capacitance | C _{ob} | V _{CB} = -10V, I _E = 0, f = 1MHz | | 20 | 30 | pF |

*h_{FE1} Rank classification

| Rank | Q | R | S |
|------------------|----------|-----------|-----------|
| h _{FE1} | 85 ~ 170 | 120 ~ 240 | 170 ~ 340 |





Maintenance Discontinued

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