查询2SA1764供应商

Ordering number:EN3180B

捷多邦,专业PCB打样工厂,24小时加急出货

PNP Epitaxial Planar Silicon Transistor

SANYO High-Speed Switching Applications

unit:mm

Features

- · Fast switching speed.
- \cdot Low collector saturation voltage.
- · High gain-bandwidth product.
- · Small collector capacitacne.
- Small-sized package permitting the 2SA1764-applied sets to be made small and slim.
- · Complementary pair with th 2SC4453.

Package Dimensions

Specifications

Absolute Maximum Ratings at Ta = 25°C

| Parameter | Symbol | Conditions | Ratings | Unit |
|------------------------------|--------|------------|-------------|------|
| Collector-to-Base Voltage | VCBO | | -15 | V |
| Collector-to-Emitter Voltage | VCEO | | -15 | V |
| Emitter-to-Base Voltage | VEBO | | -5 | V |
| Collector Current | IC | | -200 | mA |
| Collector Current (Pulse) | ICP | 16215 | -500 | mA |
| Base Current | IB | | -40 | mA |
| Collector Dissipation | PC | 651/6 | 200 | mW |
| Junction Temperature | Tj | | 150 | °C |
| Storage Temperature | Tstg | A | -55 to +150 | °C |

Electrical Characteristics at Ta = 25°C

| Parameter | Symbol | Conditions | Ratings | | | Unit |
|---|----------------------|--|---------|-------|-------|-------|
| | | | min | typ | max | Offic |
| Collector Cutoff Current | ICBO | V _{CB} =-8V, I _E =0 | | | -0.1 | μA |
| Emitter Cutoff Current | IEBO | V _{EB} =-3V, I _C =0 | - | 1 | -0.1 | μA |
| DC Current Gain | h _{FE} | V _{CE} =-1V, I _C =-10mA | 50 | 80 | 140 | 10.00 |
| Gain-Bandwidth Product | fT | V _{CE} =-10V, I _C =-10mA | 450 | 1000 | | MHz |
| Output Capacitance | Cob | V _{CB} =–5V, f=1MHz | A | 1.8 | 3.0 | pF |
| Collector-to-Emitter Saturation Voltage | V _{CE(sat)} | I _C =-10mA, I _B =-1mA | | -0.07 | -0.20 | V |
| Base-to-Emitter Saturation Voltage | V _{BE(sat)} | I _C =-10µA, I _B =-1mA | | -0.80 | -0.90 | V |

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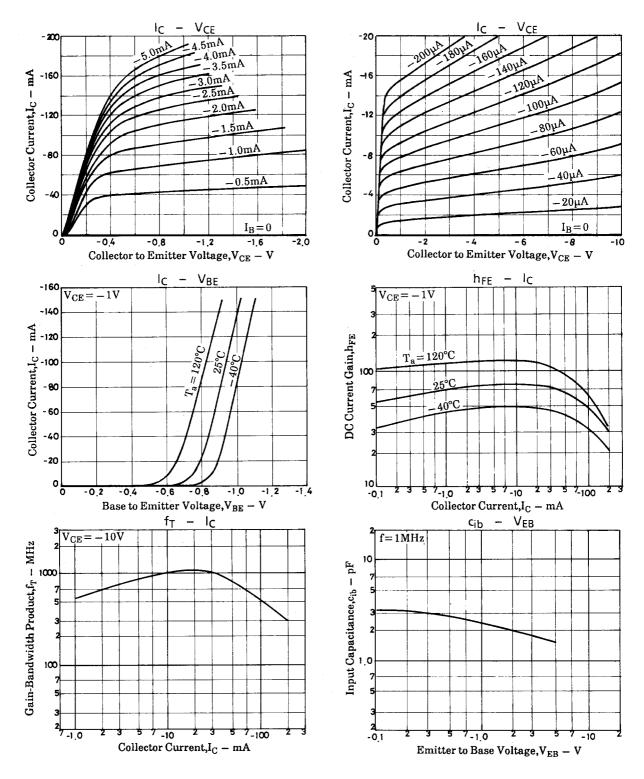
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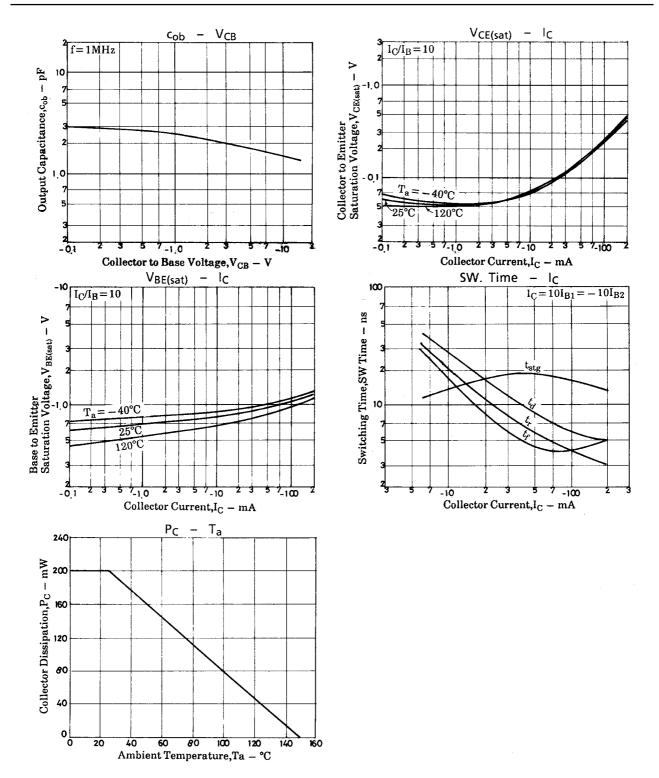
2SA1764

| Parameter | Symbol | Conditions | Ratings | | | Unit |
|--|-----------------------|--|---------|-----|-----|------|
| | | | min | typ | max | |
| Collector-to-Base Breakdown Voltage | V(BR)CBO | I _C =-10μA, I _E =0 | -15 | | | V |
| Collector-to-Emitter Breakdown Voltage | V _(BR) CEO | I _C =−1mA, R _{BE} =∞ | –15 | | | V |
| Emitter-to-Base Breakdown Voltage | V _{(BR)EBO} | I _E =-10μA, I _C =0 | -5 | | | V |
| Turn-ON Time | ton | See specified Test Circuit | | 11 | | ns |
| Storage Time | ^t stg | See specified Test Circuit | | 21 | | ns |
| Turn-OFF Time | toff | See specified Test Circuit | | 19 | | ns |

Marking : FS



2SA1764



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