查询2SC4606供应商

捷多邦,专业PCB打样工厂,24小时加急 **Pamasonic**

Transistor

2SC4606

Silicon NPN epitaxial planer type

For low-frequency driver amplification Complementary to 2SA1762

- **Features**
- High collector to emitter voltage V_{CEO}.
- Optimum for the driver stage of a low-frequency and 25 to 30W output amplifier.
- M type package allowing easy automatic and manual insertion as well as stand-alone fixing to the printed circuit board.

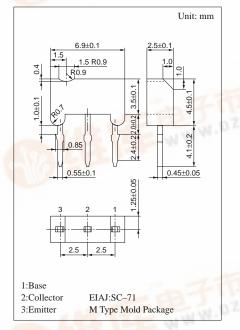
| Absolute Maximum Ratings (Ta=25°C) | | | | | | | |
|------------------------------------|------------------|------------|------|--|--|--|--|
| Parameter | Symbol | Ratings | Unit | | | | |
| Collector to base voltage | V _{CBO} | 80 | V | | | | |
| Collector to emitter voltage | V _{CEO} | 80 | V | | | | |
| Emitter to base voltage | V _{EBO} | 5 | V | | | | |
| Peak collector current | I _{CP} | 1 | А | | | | |
| Collector current | I _C | 0.5 | А | | | | |
| Collector power dissipation | P_{C}^{*} | 1 | W | | | | |
| Junction temperature | Tj | 150 | °C | | | | |
| Storage temperature | T _{stg} | -55 ~ +150 | °C | | | | |

* Printed circuit board: Copper foil area of 1cm² or more, and the board thickness of 1.7mm for the collector portion

Electrical Characteristics (Ta=25°C)

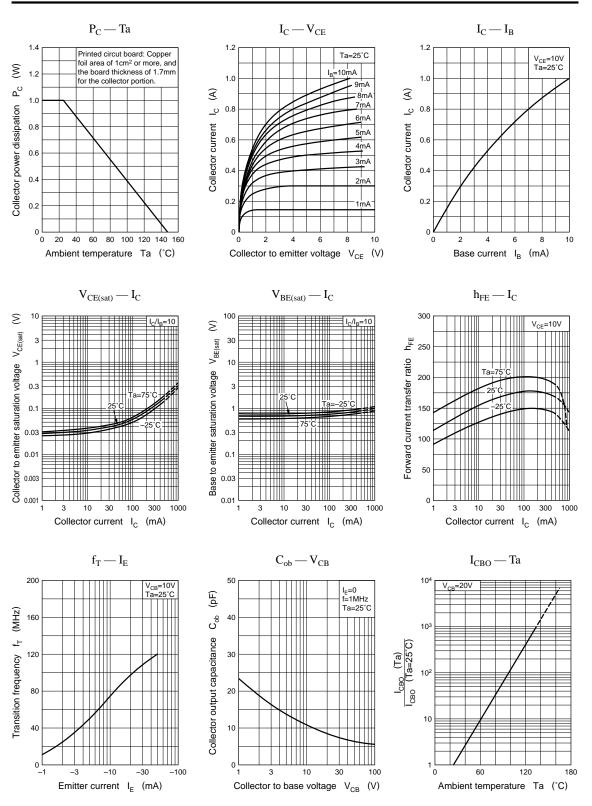
| Parameter | Symbol | Conditions | min | typ | max | Unit |
|---|----------------------|--|-----|-------|-----|------|
| Collector cutoff current | I _{CBO} | $V_{CB} = 20V, I_E = 0$ | | - | 0.1 | μA |
| Collector to base voltage | V _{CBO} | $I_C = 10 \mu A, I_E = 0$ | 80 | | | V |
| Collector to emitter voltage | V _{CEO} | $I_{\rm C} = 100 \mu A, I_{\rm B} = 0$ | 80 | 2, 10 | | V |
| Emitter to base voltage | V _{EBO} | $I_{\rm E} = 10 \mu A, I_{\rm C} = 0$ | 5 | | | V |
| Forward current transfer ratio | h _{FE1} *1 | $V_{CE} = 10V, I_{C} = 150mA^{*2}$ | 130 | | 330 | |
| | h _{FE2} | $V_{CE} = 5V, I_C = 500 \text{mA}^{*2}$ | 50 | 100 | | |
| Collector to emitter saturation voltage | V _{CE(sat)} | $I_{\rm C} = 300 {\rm mA}, I_{\rm B} = 30 {\rm mA}^{*2}$ | | 0.2 | 0.4 | V |
| Base to emitter saturation voltage | V _{BE(sat)} | $I_{\rm C} = 300 {\rm mA}, I_{\rm B} = 30 {\rm mA}^{*2}$ | | 0.85 | 1.2 | V |
| Transition frequency | f _T | $V_{CB} = 10V, I_E = -50mA, f = 200MHz$ | | 120 | | MHz |
| Collector output capacitance | C _{ob} | $V_{CB} = 10V, I_E = 0, f = 1MHz$ | | 11 | 20 | pF |



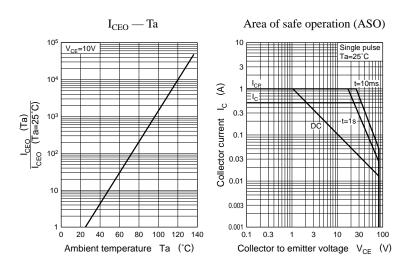


*2 Pulse measurement

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