

FOR USE BY ELECTRICIANS OVERSEAS :

最新トランジスタ規格表 (New Transistor Manual) lists all the transistors registered with the Electronic Industries Association of Japan (EIAJ), arranged in a manner easy to look up. We hope that you will make full use of the data provided in this manual by referring to the Japanese-English translation key given below.

| 型名 | 社名 | 用途 | 構造 | 最大定格 ($T_c=25^\circ\text{C}$) | | | | | 電気的特性 ($T_c=25^\circ\text{C}$) | | | | | | | | | | 備考 | | |
|----|----|----|----|---------------------------------|------------------|---------------|---------------|-------------------------------|-----------------------------------|------------------|---|------|---|----------|--|--|---|--|----|------------------|--|
| | | | | V_{ce0} (V) | V_{be0} (V) | I_c (mA) | P_c (mW) | T_c ($^\circ\text{C}$) | I_{c0} 最大値 (μA) | 直流又はパルス h_{FE} | | バイアス | | h_{FE} | h_{ie} h_{ie}^* (Ω) | h_{re} h_{re}^* ($\times 10^{-4}$) | h_{oe} h_{oe}^* (μS) | $f_{\alpha b}$ $f_{\alpha b}^*$ (Mc) | | C_{ob} (pF) | $r_{bb'}$ $r_{bb'(real)}$ (Ω) |
| 1 | 2 | 3 | 4 | 5 | | | | | 6 | | 7 | | 8 | | | | 9 | 10 | | 11 | 12 |

- 1 TYPE NUMBER
- 2 ORIGINAL MANUFACTURER
- 3 USES
- 4 MATERIAL AND STRUCTURE
- 5 MAXIMUM RATINGS
- 6 I_{CBO} MAXIMUM VALUE AND V_{CB} VALUE (CRITERIA FOR MEASURING I_{CBO})
- 7 STANDARD VALUE OF DC/PULSE h_{FE} AND V_{CE} , I_C (CRITERIA FOR MEASURING DC/PULSE h_{FE})
- 8 STANDARD VALUE OF h PARAMETERS AND BIAS V_{CB} , I_E (CRITERIA FOR MEASURING h PARAMETERS)

- * INDICATES VALUE IN GROUNDED-BASE OPERATION, OTHERWISE VALUE IN EMITTER-GROUNDED OPERATION.
- 9 $f_{\alpha b}$ OF RF CHARACTERISTIC, EXCEPT IN CASE OF * WHICH INDICATES VALUE OF f_T .
- 10 C_{ob} AND $r_{bb'}$ OF RF CHARACTERISTICS EXCEPT IN CASE OF * IN $r_{bb'}$ COLUMN WHICH INDICATES VALUE OF h_{ie} (real)
- 11 OUTLINE
- 12 REMARKS

:とコンプリ: COMPLEMENTARY TO

| 型名 | 社名 | 用途 | 構造 | 最大定格 (T _a = 25°C) | | | | | 電 気 的 特 性 (T _a = 25°C) | | | | | | | | | | | 外形 | 備考 | | | | |
|---------|-----|---------------------------|---------|------------------------------|-------------------------|------------------------|---------------------------------|------------------------|-----------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------|--------------------------------|--------------------------------------|---|--|------|------|--|--|-------------------------|---|
| | | | | V _{CB0} (V) | V _{EBO} (V) | I _C (mA) | P _C (mW) | T _J (°C) | I _{CB0} 最大値 | | 直 流 又 は バ ル ス hFE | | | | バ イ ア ス | | h _{fe} h _{fs} * | h _{ie} h _{is} * (Ω) | h _{re} h _{rs} * (×10 ⁻⁴) | | | h _{oe} h _{os} * (μΩ) | f _{ab} f _T * (MHz) | C _{ob} (pF) | r _{bb} h _{ie(Real)} * (Ω) |
| | | | | | | | | | (μA) | V _{CB} (V) | V _{CE} (V) | I _C (mA) | V _{CB} (V) | I _E (mA) | NF | C _c F _{aa} | | | | | | | | | |
| 25C1004 | 東芝 | PA, SW | Si, TMe | 1500 | 5 | 500 | 50 W (T _c =25°C) | 150 | 10 | 500 | 30-160 | 15 | 150 | 15 | -200 | | | | | 5.5* | 40 | 10 | 102 | | |
| * 1005 | " | PA | " | 1100 | 5 | 5 A | 50 W (T _c =25°C) | 150 | 10 | 500 | 12 | 15 | 4 A | 15 | -500 | | | | | 3* | 150 | 5 | 102 | | |
| * 1006 | 日電 | RF, AF | Si, E | 50 | 5 | 30 | 300 | 150 | 0.05 | 30 | 600 | 3 | 1 | 6 | -1 | 15k | 1.5 | 35 | | 90* | 3.5 | 50* | 49C | 2SA579 とコンプリ | |
| * 1007 | " | RF, SW | " | 60 | 8 | 20 | 300 | 150 | 0.1 | 40 | 150 | 1 | 10 | 10 | -10 | | | | | 250* | 3.4 | 30* | 49C | | |
| * 1008 | " | RF | " | 80 | 8 | 700 | 800 | 150 | 0.1 | 60 | 160 | 2 | 50 | 10 | -50 | | | | | 75* | 17 | 25* | 84B | 2SA708 とコンプリ | |
| * 1009 | " | RF, Conv. Mix, Osc. LN | " | 50 | 5 | 50 | 150 | 125 | 0.1 | 15 | 80 | 3 | 0.5 | 6 | -1 | | | NF=2.5dB (f=1MHz, 6V, 0.5mA) | | 250* | 2 | C _c F _{aa} 25pS | 176 | | |
| * 1010 | " | AF, LN | " | 50 | 5 | 30 | 300 | 150 | 0.05 | 30 | 550 | 3 | 1 | 6 | -1 | 15k | 1.5 | 35 | | 90* | 3.5 | 50* | 49C | 2SA573 とコンプリ | |
| * 1011 | 三菱 | PA | Si, EP | 40 | 4 | 750 | 8.6 W (T _c =25°C) | 175 | 100 | 15 | 50 | 10 | 100 | | | | | | | | | | 271 | | |
| * 1012 | 松下 | | Si, TP | 165 | 5 | 60 | 2.5 W (T _c =25°C) | | 2 | 12 | 60 | 20 | 40 | 10 | -3 | 35 | 300 | 0.4 | 2.7 | | 100* | | C _c F _{aa} 60pS | 84B | |
| * 1013 | 三菱 | SW, P | Si, EP | 35 | 5 | 1.5A | 7 W (T _c =25°C) | 150 | 1 | 25 | 80 | 4 | 500 | | | | | | | | | | 132 | | |
| * 1014 | " | " | " | 50 | 5 | 1.5A | 7 W (T _c =25°C) | 150 | 1 | 25 | 70 | 4 | 500 | | | | | | | | | | 132 | | |
| * 1015 | " | PA | " | 40 | 4.5 | 3 A | 33 W (T _c =25°C) | 175 | 500 | 15 | 50 | 10 | 100 | | | | | | | | | | 126 | | |
| * 1016 | " | " | " | 35 | | 500 | 2 W | 200 | 50 | 15 | 50 | 10 | 100 | | | | | | | | | | 271 | | |
| * 1017 | " | " | " | 75 | 4 | 1 A | 4 W (T _c =25°C) | 125 | 10 | 30 | 50 | 10 | 100 | | | | | | | | | | 132 | | |
| * 1018 | " | " | " | 75 | 4 | 1 A | 4 W (T _c =25°C) | 125 | 10 | 30 | 50 | 10 | 100 | | | | | | | | | | 132 | | |
| * 1019 | " | " | " | 60 | | 4 A | 40 W (T _c =25°C) | 175 | 1mA | 30 | 50 | 10 | 100 | | | | | | | | | | 188 | | |
| * 1020 | " | " | " | 60 | | 8 A | 70 W (T _c =25°C) | 175 | 2mA | 30 | 50 | 10 | 100 | | | | | | | | | | 188 | | |
| * 1021 | " | " | " | 60 | 5 | 6 A | 60 W (T _c =25°C) | 175 | 2 mA | 30 | 50 | 10 | 100 | | | | | | | | | | 127 | | |
| * 1022 | " | " | " | 60 | 5 | 6 A | 60 W (T _c =25°C) | 175 | 2 mA | 30 | 50 | 10 | 100 | | | | | | | | | | 127 | | |
| * 1023 | 富士通 | RF, Conv. Mix, Osc. | Si, P | 25 | 3 | 25 | 150 | 125 | 2 | 12 | 40 | 6 | 1 | 6 | -2 | | | | | 200* | 1.8 | | 138 | | |
| * 1024 | 三洋 | PA | Si, TMe | 60 | 4 | 3 A | 25 W (T _c =25°C) | 150 | 1 mA | 55 | 25-200 | 2 | 1 A | | | | | | | | | | 99 | | |
| * 1025 | " | " | " | 200 | 6 | 3 A | 25 W (T _c =25°C) | 150 | 1 mA | 180 | 40-320 | 2 | 500 | 5 | -500 | | | | | 8* | 100 | | 99 | | |
| * 1026 | 富士通 | RF, Conv. | Si, P | 25 | 3 | 25 | 150 | 125 | 2 | 12 | 70 | 6 | 1 | 6 | -2 | | | NF=2.5dB (f=1MHz, 6V, 1mA) | | | | 70* | 138 | | |
| * 1027 | 三洋 | SW | Si, Me | 250 | 5 | 6 A | 50 W (T _c =25°C) | 150 | 1 mA | 30 | > 9 | 2 | 5 A | | | | | | | | | | | | |
| * 1028 | | | | | | | | | | | | | | | | | | | | | | | | | |
| * 1029 | | | | | | | | | | | | | | | | | | | | | | | | | |
| * 1030 | 日立 | PA | Si, T | 150 | 6 | 6 A | 50 W (T _c =25°C) | 150 | 1 mA | 30 | 80 | 5 | 1 A | 5 | -1A | | | | | 10* | 180 | | 102 | 2SA756 とコンプリ | |
| * 1031 | 日電 | SW | Si, TMe | 300 | 6 | 2 A | 30 W (T _c =25°C) | 175 | 5 | 150 | 220 | 10 | 500 | 10 | -100 | | | | | | | | 99 | | |
| * 1032 | 富士通 | RF | Si, P | 25 | 3 | 25 | 150 | 125 | 2 | 12 | 100 | 6 | 1 | 6 | -2 | | | | | 200* | 1.8 | 70* | 138 | | |
| * 1033 | 松下 | RF, AF | Si, TP | 200 | 5 | 25 | 300 | 175 | 2 | 12 | > 30 | 10 | 5 | 10 | -3 | 38 | 300 | 0.4 | 2.9 | | 135* | 3.3 | C _c F _{aa} 60pS | 49C | |