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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 _b =25°C) | | | | | 電気的特性 (T _b =25°C) | | | | | | | | | | 外形 | 備考 |
|----|----|----|----|-----------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------------|------------------------|---|------|---|-----------------|---|--|--|---|----|----|
| | | | | V _{ceo} (V) | V _{ceo} (V) | I _c (mA) | P _c (mW) | T _j (°C) | I _{ceo} 最大値 (μA) | 直流又はパルスI _{BE} | | バイアス | | h _{FE} | h _{FE} h _{FE} * (Ω) | h _{FE} h _{FE} * (×10 ⁻⁴) | h _{FE} h _{FE} * (μS) | f _{αb} f _r * (Mc) | | |
| 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_{αb} OF RF CHARACTERISTIC, EXCEPT IN CASE OF * WHICH INDICATES VALUE OF f_r.
- 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 _{EB0} (V) | I _C (mA) | P _C (mW) | T _J (°C) | I _{CB0} 最大値 (μA) V _{CE} (V) | | 直流又はパルス h _{FE} V _{CE} (V) I _C (mA) | | バイアス V _{CE} (V) I _E (mA) | | h _{FE} h _{FE} * | h _{FE} h _{FE} * | h _{FE} h _{FE} * | h _{FE} h _{FE} * | f _{αB} f _T * (Mc) | | | C _{ob} (pF) | r _{bb} r _{bb} (real)* (Ω) | | |
| ★ 2SD597 | 松下 | PA | | 100 | 5 | 5A | 60W (T _c =25°C) | 150 | 1mA | 60 | 40~200 | 5 | 1A | 10 | -500 | | | | | 7* | | | 102 | | |
| ★ " 598 | " | " | | 120 | 5 | 6A | 80W (T _c =25°C) | | 1mA | 70 | 40~200 | 5 | 1A | 10 | -500 | | | | | 6* | | | 102 | | |
| " 599 | 三洋 | | Si.EP | 25 | 5 | 1A | 350 | 125 | 1 | 20 | 150 | 2 | 50 | 10 | -50 | | | | | 180* | 15 | | 138 | | |
| " 600 | " | " | " | 100 | 5 | 1A | 80W (T _c =25°C) | 150 | 1 | 50 | 60~320 | 5 | 50 | 10 | -50 | | | | | 130* | 20 | | 296 | 2SB631 とコンプリ | |
| " 601 | 松下 | AF | " | 30 | 7 | 100 | 200 | 125 | 1 | 10 | 90~650 | 10 | 2 | 10 | -2 | V _{NO} < 300mV (I _{0V} , I _{mA} , R _C =100kΩ, A _v =80dB) | | | | 150* | 3.5 | | 176 | 2SB709 とコンプリ | |
| " 602 | " | " | " | 30 | 5 | 500 | 200 | 125 | 0.1 | 20 | 160 | 10 | 150 | 10 | -50 | | | | | 200* | 6 | | 176 | 2SB710 とコンプリ | |
| " 603 | " | " | " | 30 | 5 | 100 | 250 | 125 | 1 | 10 | 360 | 10 | 2 | 5 | -2 | h _{FE} = 4kΩ, h _{FE} = 0.15μΩ h _{FE} = 0.8 × 10 ⁻⁴ | | | | 150* | 35 | | 276 | | |
| ★ " 604 | 日立 | PA | Si.T | 180 | 6 | 5A | 100W (T _c =25°C) | 150 | 500 | 180 | 400~3200 | 4 | 1A | 4 | -1A | | | | | 8* | 150 | | 102 | | |
| " 605 | サンケン | " | Si.TMe | 600 | 6 | 7A | 80W (T _c =25°C) | 150 | 500 | 600 | 400 | 2 | 4A | | | | | | | | | | 102 | ダーリントン | |
| " 606 | " | " | " | 600 | 6 | 15A | 100W (T _c =25°C) | 150 | 500 | 600 | 400 | 2 | 5A | | | | | | | | | | 102 | ダーリントン | |
| " 607 | | | | | | | | | | | | | | | | | | | | | | | | | |
| " 608 | 日電 | PA | Si.E | 160 | 5 | 1.5A | 20W (T _c =25°C) | 150 | 1 | 120 | 80 | 5 | 300 | 5 | -100 | | | | | 45* | 25 | | 268 | 2SB628 とコンプリ | |
| " 609 | | | | | | | | | | | | | | | | | | | | | | | | | |
| " 610 | 日電 | PA | Si.T | 250 | 5 | 2A | 25W (T _c =25°C) | 150 | 1 | 150 | 80 | 10 | 500 | 10 | -500 | | | | | 5* | 45 | | 268 | 2SB630 とコンプリ | |
| ★ " 611 | 富士通 | " | Si.DJ | 100 | 6 | 7A | 30W (T _c =25°C) | 175 | 20 | 30 | >30 | 4 | 500 | | | | | | | 1.5 | | | 99 | | |
| " 612 | 三洋 | " | Si.EP | 25 | 5 | 2A | 10W (T _c =25°C) | 150 | 1 | 20 | 60~320 | 2 | 500 | 10 | -50 | | | | | 100* | 30 | | 296 | 2SB632 とコンプリ | |
| " 613 | " | " | " | 100 | 6 | 6A | 40W (T _c =25°C) | 150 | 100 | 40 | 40~320 | 5 | 1A | 5 | -1A | | | | | 15* | 110 | | 268 | 2SB633 とコンプリ | |
| " 614 | サンケン | " | Si.TMe | 100 | 6 | 3A | 800 | 150 | 100 | 100 | 3000 | 4 | 3A | 5 | -100 | | | | | 15* | | | 84B | ダーリントン | |
| " 615 | " | " | " | 140 | 6 | 3A | 800 | 150 | 100 | 140 | 3000 | 4 | 3A | 5 | -100 | | | | | 15* | | | 84B | ダーリントン | |
| ★ " 616 | 三洋 | " | Si.EMe | 120 | 6 | 7A | 60W (T _c =25°C) | 150 | 100 | 80 | 40~320 | 5 | 1A | 5 | -1A | | | | | 15* | | | | | |
| " 617 | サンケン | " | Si.TMe | 120 | 6 | 8A | 100W (T _c =25°C) | 150 | 100 | 120 | 2500 | 4 | 1A | | | | | | | | | | 102 | ダーリントン | |
| " 618 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ★ " 619 | 富士通 | AF.PA | Si.EP | 80 | 5 | 1.5A | 500 | 150 | 1 | 60 | 150 | 1 | 200 | 10 | -50 | | | | | 100* | <25 | <30* | 138 | | |
| ★ " 620 | " | PA | " | 80 | 5 | 1.5A | 1W | 150 | 1 | 60 | 150 | 1 | 200 | 10 | -50 | | | | | 100* | <25 | <30* | 328 | | |
| " 621 | 三洋 | SW | Si.TMe | 2500 | 6 | 3A | 50W (T _c =25°C) | 150 | 50 | 1000 | 3~15 | 10 | 1.5A | | | | | | | | | | 102 | 水平偏向用 | |
| " 622 | 富士通 | " | " | 450 | 5 | 3A | 30W (T _c =25°C) | 175 | 10 | 150 | 20 | 5 | 1A | | | | | | | | | | 99 | | |
| " 623 | | | | | | | | | | | | | | | | | | | | | | | | | |
| " 624 | 富士通 | SW | Si.TMe | 200 | 5 | 500 | 800 | 175 | 5 | 150 | 180 | 5 | 200 | 5 | -50 | | | | | h _{FE} < 0.8μS, t ₁₂ < 1.5μS t ₁₂ < 5μS | | 50* | 12.5 | | 84C |
| " 625 | | | | | | | | | | | | | | | | | | | | | | | | | |
| " 626 | 三洋 | SW | Si.TMe | 600 | 6 | 6A | 80W (T _c =25°C) | 150 | 100 | 350 | >300 | 2 | 3.5A | | | | | | | | | | 102 | ダーリントン | |