

## The Data Book Project

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# 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 ( $T_a=25^{\circ}\text{C}$ ) |                  |               |               |                                 | 電 気 的 特 性 ( $T_a=25^{\circ}\text{C}$ ) |                    |                    |                  |                    |                  |                        |                                        |                                                |                                             |                                            | 外 形 | 備 考 |                  |                                                       |
|-----|-----|-----|-----|-------------------------------------|------------------|---------------|---------------|---------------------------------|----------------------------------------|--------------------|--------------------|------------------|--------------------|------------------|------------------------|----------------------------------------|------------------------------------------------|---------------------------------------------|--------------------------------------------|-----|-----|------------------|-------------------------------------------------------|
|     |     |     |     | $V_{CBO}$<br>(V)                    | $V_{CEO}$<br>(V) | $I_C$<br>(mA) | $P_C$<br>(mW) | $T_j$<br>( $^{\circ}\text{C}$ ) | $I_{CBO}$ 最大値                          |                    | 直流又はパルス $h_{FE}$   |                  | バイアス               |                  | $h_{FE}$<br>$h_{FE}^*$ | $h_{ie}$<br>$h_{ie}^*$<br>( $\Omega$ ) | $h_{re}$<br>$h_{re}^*$<br>( $\times 10^{-4}$ ) | $h_{oe}$<br>$h_{oe}^*$<br>( $\mu\text{S}$ ) | $f_{\alpha b}$<br>$f_{\alpha b}^*$<br>(Mc) |     |     | $C_{ob}$<br>(pF) | $r_{bb'}$<br>$r_{bb'}(\text{real})^*$<br>( $\Omega$ ) |
|     |     |     |     |                                     |                  |               |               |                                 | $\mu\text{A}$                          | $V_{CE}(\text{V})$ | $V_{CE}(\text{V})$ | $I_C(\text{mA})$ | $V_{CE}(\text{V})$ | $I_C(\text{mA})$ |                        |                                        |                                                |                                             |                                            |     |     |                  |                                                       |
| 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  $I_{cso}$  MAXIMUM VALUE AND  $V_{ce}$  VALUE (CRITERIA FOR MEASURING  $I_{cso}$ )
- 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  $V_{ce}$ ,  $I_E$  (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  $h_{ie}(\text{real})$
- 11 OUTLINE
- 12 REMARKS

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