

# 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
				$V_{ceo}$ (V)	$V_{cso}$ (V)	$I_c$ (mA)	$P_c$ (mW)	$T_j$ ( $^{\circ}\text{C}$ )	$I_{cso}$ 最大値 ( $\mu\text{A}$ )	$V_{ce(V)}$	直流又はパルス $h_{FE}$ $I_c$ (mA)	バイアス $V_{ce(V)}$	$h_{FE}$ $h_{FE}^*$	$h_{ie}$ $h_{ie}^*$ ( $\Omega$ )	$h_{re}$ $h_{re}^*$ ( $\times 10^{-4}$ )	$h_{oe}$ $h_{oe}^*$ ( $\mu\text{S}$ )	$f_{\alpha}$ $f_{\alpha}^*$ (Mc)	$C_{ob}$ (pF)	$r_{bb'}$ $h_{ie}(\text{real})^*$ ( $\Omega$ )	
1	2	3	4	5					6	7	8				9				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  $V_{ce}$ ,  $I_c$  (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

: とコンプリ: COMPLEMENTARY TO .....

★	型名	社名	用途	構造	最大定格 ( $T_a = 25^\circ\text{C}$ )					電 気 的 特 性 ( $T_a = 25^\circ\text{C}$ )													備考
					$V_{CBO}$ (V)	$V_{EBO}$ (V)	$I_C$ (mA)	$P_C$ (mW) ( $T_c = 25^\circ\text{C}$ )	$T_j$ ( $^\circ\text{C}$ )	ICBO 最大値		直流又はパルス $h_{FE}$		バイアス		$h_{fe}$	$h_{ie}$ $h_{ib}^*$ ( $\Omega$ )	$h_{re}$ $h_{rs}^*$ ( $\times 10^{-4}$ )	$h_{oe}$ $h_{os}^*$ ( $\mu\text{V}$ )	$f_{\alpha h}$ $f_{T}^*$ (Mc)	$C_{ob}$ (pF)	$r_{bb}$ $h_{ie(real)}^*$ ( $\Omega$ )	
★	2SD266	オリジン	PA. SW	Si. T	800	10	6 A	100 W ( $T_c = 25^\circ\text{C}$ )	150	2mA	800	40	5	3 A									102
	" 267																						
	" 268																						
	" 269																						
	" 270																						
★	" 271	オリジン	PA	Si. T	800	10	2 A	30 W ( $T_c = 25^\circ\text{C}$ )	150	2mA	800	20	5	1 A	12	-500				$f_{\alpha h}$ 150kHz			100
★	" 272	"	"	"	800	10	2 A	30 W ( $T_c = 25^\circ\text{C}$ )	150	2mA	800	40	5	1 A	12	-500				$f_{\alpha h}$ 150kHz			100
★	" 273	"	PA. SW	"	800	10	5 A	80 W ( $T_c = 25^\circ\text{C}$ )	150	2mA	800	20	5	2 A	12	-1 A				$f_{\alpha h}$ 150kHz			102
★	" 274	"	"	"	800	10	5 A	80 W ( $T_c = 25^\circ\text{C}$ )	150	2mA	800	40	5	2 A	12	-1 A				$f_{\alpha h}$ 150kHz			102
	" 275																						
	" 276																						
	" 277																						
	" 278																						
	" 279																						
	" 280																						
	" 281																						
	" 282																						
★	" 283	日電	PA. SW	Si. E	120	5	5 A	25 W ( $T_c = 25^\circ\text{C}$ )	150	200	40	55	1	5 A									134
	" 284	"	"	"	120	5	5 A	25 W ( $T_c = 25^\circ\text{C}$ )	150	200	40	80	5	1 A	10	-100				20 *			134
★	" 285	"	"	"	100	5	5 A	25 W ( $T_c = 25^\circ\text{C}$ )	150	200	40	40	1	5 A									134
★	" 286	"	PA	Si. TMe	180	7	10 A	100 W ( $T_c = 25^\circ\text{C}$ )	150	300	100	75	5	2 A									102
★	" 287	"	"	"	200	7	10 A	100 W ( $T_c = 25^\circ\text{C}$ )	150	300	100	75	5	2 A									102
	" 288	日電	"	Si. T	80	5	3 A	20 W ( $T_c = 25^\circ\text{C}$ )	150	10	60	100	5	500	5	-100				35 *	55		268
	" 289	"	"	"	80	5	3 A	20 W ( $T_c = 25^\circ\text{C}$ )	150	10	60	100	5	500	5	-100				35 *	55		267
★	" 290	ソニー	PA. SW	Si. TMe	80		5 A	10 W ( $T_c = 25^\circ\text{C}$ )	120	100	150	100	3	2 A									153
★	" 291	"	RF. PA	Si. DJ	70	10	3 A	18 W ( $T_c = 25^\circ\text{C}$ )	150	20	30	100	1	100	10	-500				4 *	250		153
★	" 292	"	PA	"	70	10	3 A	18 W ( $T_c = 25^\circ\text{C}$ )	150	20	30	100	1	100	10	-500				4 *	250		153
	" 293	オリジン	"	Si. T	800	10	10 A	125 W ( $T_c = 25^\circ\text{C}$ )	150	3mA	800	20	5	5 A									102
	" 294	"	"	"	800	10	10 A	125 W ( $T_c = 25^\circ\text{C}$ )	150	3mA	800	40	5	5 A									102
	" 295	オリジン	PA. SW	Si. T	800	10	30 A	200 W ( $T_c = 25^\circ\text{C}$ )	150	5 mA	800	20	5	10 A	12	-2.5 A				$f_{\alpha h}$ 150kHz			154