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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 ( $T_c=25^\circ\text{C}$ )					電気的特性 ( $T_c=25^\circ\text{C}$ )										外形	備考	
				$V_{ce0}$ (V)	$V_{be0}$ (V)	$I_c$ (mA)	$P_c$ (mW)	$T_c$ ( $^\circ\text{C}$ )	$I_{c0}$ 最大値 ( $\mu\text{A}$ )	直流又はパルス $I_{cE}$		バイアス		$h_{FE}$	$h_{ie}$	$h_{re}$	$h_{oe}$	$f_{\alpha}$			$C_{ob}$
				$V_{ce}$ (V)	$I_c$ (mA)			$V_{ce}$ (V)	$I_c$ (mA)	$h_{FE}$ *	$h_{ie}$ ( $\Omega$ )	$h_{re}$ ( $\times 10^{-4}$ )	$h_{oe}$ ( $\mu\text{S}$ )	$f_{\alpha}$ (Mc)	$C_{ob}$ (pF)	$r_{bb'}$ ( $\Omega$ )					
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  $I_{cB0}$  MAXIMUM VALUE AND  $V_{cB}$  VALUE (CRITERIA FOR MEASURING  $I_{cB0}$ )
- 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 ( $T_a = 25^\circ\text{C}$ )					電 気 的 特 性 ( $T_a = 25^\circ\text{C}$ )											外 形	備 考	
				$V_{CB0}$ (V)	$V_{E0}$ (V)	$I_C$ (mA)	$P_C$ (mW)	$T_j$ ( $^\circ\text{C}$ )	$I_{CB0}$ 最大値 ( $\mu\text{A}$ )	直流又はパルス $h_{FE}$		バイアス		$h_{fe}$ $h_{fb}^*$	$h_{ie}$ $h_{ib}^*$ ( $\Omega$ )	$h_{re}$ $h_{rb}^*$ ( $\times 10^{-4}$ )	$h_{oe}$ $h_{ob}^*$ ( $\mu\text{S}$ )	$f_{\alpha b}$ $f_T^*$ (Mc)	$C_{ob}$ (pF)			$r_{bb'}$ $h_{ib}(\text{real})^*$ ( $\Omega$ )
										$V_{CE}$ (V)	$I_C$ (mA)	$V_{CB}$ (V)	$I_E$ (mA)									
★ 2SD326	ソニー	PA. SW	Si. TMe	330	5	1 A	23W ( $T_c=25^\circ\text{C}$ )	150	15	100	80	5	100							100		
★ " 327	日電	PA	Si. E	40	5	500	250	125	0.2	25	140	1	100							138	2SA723 とコンプリ	
" 328	"	PA. SW	"	100	7	1 A	800	150	1	60	100	2	200	10	-50					84B	2SB510 とコンプリ	
" 329	富士通	SW	Si. DJ	70	5	1 A	800	175	20	30	40	4	1 A							84B		
★ " 330	三洋	PA	Si. T	50	5	2 A	20W ( $T_c=25^\circ\text{C}$ )	150	100	20	40-320	2	1 A	5	-200					268	2SB514 とコンプリ	
★ " 331	"	"	"	50	5	2 A	20W ( $T_c=25^\circ\text{C}$ )	150	100	20	40-320	2	1 A	5	-200					267	2SB515 とコンプリ	
★ " 332	"	"	Si. DJ	130	10	7 A	65W ( $T_c=25^\circ\text{C}$ )	150	1mA	50	40-200	5	1 A							102		
" 333																						
" 334	松下	PA	Si. DJ	110	7	6 A	75W ( $T_c=25^\circ\text{C}$ )	150	1mA	110	100	4	1 A	10	-500			$f_{\alpha e}$ 25kHz		102		
★ " 335	日電	"	Si. EMe	80	7	3 A	30W ( $T_c=25^\circ\text{C}$ )	150	300	60	80	5	2 A							102		
" 336	"	"	Si. E	40	5	500	750	135	0.2	25	140	1	100							45	2SA707 とコンプリ	
" 337																						
★ " 338	ソニー	PA	Si. EMe	70	8	7 A	60W ( $T_c=25^\circ\text{C}$ )	150	100	50	50	2	3 A							102		
★ " 339	"	"	"	90	8	10 A	80W ( $T_c=25^\circ\text{C}$ )	150	100	50	50	2	4 A	2	-4A					102		
★ " 340	"	"	"	110	8	12 A	100W ( $T_c=25^\circ\text{C}$ )	150	100	50	50	2	5 A	2	-5A					102		
" 341	日立	PA. SW	Si. DJ	100	7	15 A	115W ( $T_c=25^\circ\text{C}$ )	200	5mA	100	20-70	4	4 A	4	-1 A					102		
" 342	ソニー	PA	"	70		3 A	35W ( $T_c=25^\circ\text{C}$ )	150	100	30	100	1	100							268		
" 343	"	"	"	70		3 A	35W ( $T_c=25^\circ\text{C}$ )	150	100	30	100	1	100							267		
" 344	"	"	"	70		3 A	35W ( $T_c=25^\circ\text{C}$ )	150	100	30	100	1	100							268		
" 345	"	"	"	70		3 A	35W ( $T_c=25^\circ\text{C}$ )	150	100	30	100	1	100							267		
" 346	"	"	Si. EMe	60		5 A	25W ( $T_c=25^\circ\text{C}$ )	150	100	50	50	2	2.5A							268		
" 347	"	"	"	60		5 A	25W ( $T_c=25^\circ\text{C}$ )	150	100	50	50	2	2.5A							267		
" 348	三洋	SW	Si. TMe	1500	6	7 A	50W ( $T_c=25^\circ\text{C}$ )	150	100	1000	>4.5	5	5 A							102	水平偏向用	
" 349	日電	AF	Si. E	30	5	50	150	125	0.1	25	500	3	0.5	3	-1		14k	5.8	23	176		
" 350	松下	SW	Si. Me	1500	5	5 A	22W ( $T_c=90^\circ\text{C}$ )	115	1mA	1500	>3	10	4 A							102		
★ " 351	"	PA	Si. TMe	650	6	5 A	80W ( $T_c=25^\circ\text{C}$ )	150	5mA	650	15	5	5 A	10	-500				40*	150	102	
" 352	"	"	Ge. A	32	10	1 A	650	90	25	10	150	0.5	300	2	-10	$NF < 25\text{dB}$ ( $f = 1\text{kHz}$ , $V_{CB} = 5\text{V}$ , $I_E = -5\text{mA}$ )		$f_{\alpha e} > 10\text{kHz}$		12A		
" 353	三洋	"	Si. TMe	150	6	2 A	60W ( $T_c=25^\circ\text{C}$ )	150	10	30	40-170	5	1 A	5	-1A					8*	102	
" 354																						
" 355	三菱	PA	Si. EP	30	4	1 A	800	135	1	25	150	1	500	6	-10					100*	242	2SB525 とコンプリ