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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 ($T_a = 25^\circ\text{C}$)					電 気 的 特 性 ($T_a = 25^\circ\text{C}$)											外 形	備 考			
				V_{CBO} (V)	V_{EBO} (V)	I_C (mA)	P_C (mW)	T_j ($^\circ\text{C}$)	I_{CBO} 最大値		直流又はパルス h_{FE}		バイアス		h_{fe} h_{fb}^*	h_{ie} h_{ib}^* (Ω)	h_{re} h_{rb}^* ($\times 10^{-4}$)	h_{oe} h_{ob}^* (μU)	$f_{\beta b}$ f_T^* (Mc)			C_{ob} (pF)	$r_{bb'}$ $r_{bc'(real)}^*$ (Ω)	
									(μA)	V_{CB} (V)	V_{CE} (V)	I_C (mA)	V_{CB} (V)	I_E (mA)										
2SC1991	日 電	RF	Si. E	60	5	100	625	150	0.05	60	170	10	2	6	-10					250*	1.5	$C_{rbb'}$ 40pS	138D	
" 1992	"	RF, AF	"	50	6	100	300	150	0.06	50	235	5	2	5	-2	238	5 k	5	32	300*	3	$C_{rbb'}$ 250pS	138F	
" 1993	"	"	"	30	5	100	300	150	0.06	30	290	5	2	5	-2	330	5 k	5	32	300*	3	$C_{rbb'}$ 250pS	138F	
" 1994	"	RF, AF, LN	"	45	5	100	300	150	0.06	45	380	5	2	5	-10	NF=1.5dB ($f=1\text{kHz}$, $V_{CE}=5\text{V}$, $I_C=0.2\text{mA}$)			300*	3	$C_{rbb'}$ 250pS	138F		
" 1995	"	"	"	50	5	100	300	150	0.06	50	380	5	2	5	-10	NF=1.5dB ($f=1\text{kHz}$, $V_{CE}=5\text{V}$, $I_C=0.2\text{mA}$)			300*	3	$C_{rbb'}$ 250pS	138F		
" 1996	"	RF	"	50	5	800	625	150	0.1	20	200	1	100	5	-10					100*	11	$C_{rbb'}$ 100pS	138F	
" 1997	"	"	"	30	5	800	625	150	0.1	20	200	1	100	5	-10					100*	11	$C_{rbb'}$ 100pS	138F	
" 1998	"	RF, AF	"	80	6	100	500	150	0.05	80	140	5	2	5	-2	320	5 k	4.9	28.5	300*	3.7	$C_{rbb'}$ 250pS	138F	
" 1999	"	"	"	50	6	100	500	150	0.05	50	140	5	2	5	-2	320	5 k	4.9	28.5	300*	3.7	$C_{rbb'}$ 250pS	138F	
" 2000	"	RF	"	60	5	200	600	150	0.1	60	90	6	1	6	-1					70*	3.7	$C_{rbb'}$ 6 pS	138	
" 2001	"	RF, AF	"	30	5	700	600	150	0.1	30	200	1	100	6	-10					170*	13	$C_{rbb'}$ 50pS	138	2SA952 とコンパリ
" 2002	"	"	"	60	5	300	600	150	0.1	60	200	1	50	6	-10					140*	7	$C_{rbb'}$ 25pS	138	2SA953 とコンパリ
" 2003	"	"	"	80	5	300	600	150	0.1	80	200	1	50	6	-10					140*	7	$C_{rbb'}$ 25pS	138	2SA954 とコンパリ
" 2004																								
" 2005																								
" 2006																								
" 2007																								
" 2008																								
" 2009	ソニー	RF	Si. E	35	3	25	250	100	0.3	15	70	3	1	10	-10					630*	1.4	$C_{rbb'}$ 8 pS	138C	
" 2010																								
" 2011	ソニー	RF	Si. E	30	3	50	250	100	0.2	15	50	3	1	10	-8					630*	1.3	$C_{rbb'}$ 16pS	138C	
" 2012																								
" 2013	ソニー	RF	Si. E	35	3	25	300	100	0.2	15	100	10	4	10	-4	NF=3dB (12V, 4mA, 200MHz)			700*	1	$C_{rbb'}$ 10pS	138C		
" 2014	"	LN	Si. EPa	100	5	200	500	120	0.1	50	95-420	3	10	10	-10					100*	7		138	2SA1066 とコンパリ
" 2015																								
" 2016																								
★ " 2017	三菱	SW	Si. T	450	7	10A	$\frac{100\text{W}}{T_c=25^\circ\text{C}}$	150	100	450	>10	3	5A	10	-500	$t_r=0.4\mu\text{S}$, $t_f=0.5\mu\text{S}$ $t_{r,sk}=2.5\mu\text{S}$			>10*				102	
★ " 2018	"	"	"	300	7	15A	$\frac{100\text{W}}{T_c=25^\circ\text{C}}$	150	100	300	>12	3	10A			$t_r=0.4\mu\text{S}$, $t_f=0.6\mu\text{S}$ $t_{r,sk}=2.4\mu\text{S}$							102	
★ " 2019	"	"	"	300	7	15A	$\frac{100\text{W}}{T_c=25^\circ\text{C}}$	150	100	300	>15	3	10A			$t_r=0.4\mu\text{S}$, $t_f=0.6\mu\text{S}$ $t_{r,sk}=2.4\mu\text{S}$							102	
" 2020	ソニー	RF, PA	Si. E	45	4	2A	$\frac{12\text{W}}{T_c=25^\circ\text{C}}$	150	2	40	60	2	100	2	-100	$P_D=7\text{W}$ ($f=27\text{MHz}$, $V_{CC}=12\text{V}$, $P_I=0.2\text{W}$)			270*	20		268		