

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 _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 _{CEO} (V)	V _{EBO} (V)	I _C (mA)	P _C (mW)	T _J (°C)	I _{CBO} 最大値		直流又はパルス h _{FE}		バ イ ア ス		h _{je}	h _{ie} h _{ie} * (Ω)	h _{re} h _{re} * (×10 ⁻⁴)	h _{oe} h _{oe} * (μΩ)	f _{αB} f _{αB} * (Mc)			C _{ob} (pF)	r _{FB} h _{ie} (real)* (Ω)
									(μA)	V _{CB} (V)	V _{CE} (V)	I _C (mA)	V _{CB} (V)	I _E (mA)									
★ 2SA106	富士通	Conv. Mix Osc	Ge. D	-6	-0.5	-10	80	85	-10	-6			-3	1	50	PG = 28 dB (f = 1.5Mc)	30	3	50	13A			
★ # 107	"	IF	"	-6	-0.5	-10	80	85	-10	-6			-3	1	40	PG = 40 dB (f = 455kc)	20	3	50	13A			
★ # 108	"	RF	"	-20	-0.5	-10	80	85	-10	-12			-9	1	70	PG = 17 dB (f = 20 Mc)	50	2.3	50	13A	2S108		
★ # 109	"	"	"	-20	-0.5	-10	80	85	-10	-12			-9	1	60	PG = 15 dB (f = 20 Mc)	45	2.3	50	13A	2S109		
★ # 110	"	Conv	"	-20	-0.5	-10	80	85	-10	-12			-9	1	60	PG = 20 dB (f = 12 Mc)	40	2.3	50	13A	2S110		
★ # 111	"	Osc	"	-20	-0.5	-10	80	85	-10	-12			-9	1	40	V _{osc} = 0.4V (f = 12 Mc)	30	2.3	50	13A	2S111		
★ # 112	"	Mix	"	-20	-0.5	-10	80	85	-10	-12			-9	1	45	PG = 15 dB (f = 12 Mc)	20	2.3	50	13A	2S112		
★ # 113	"	Conv. Mix	"	-34	-1	-10	80	85	-7	-12			-12	1	45	CG = 40 dB (f = 1 Mc)	20	2	50	13A			
★ # 114	"	IF	"	-34	-1	-10	80	85	-7	-12			-12	1	40	PG = 39 dB (f = 455kc)	20	2	50	13A			
★ # 115	"	RF	"	-34	-1	-10	80	85	-5	-12			-12	1	60	PG = 28 dB (f = 1.5Mc)	30	2	50	13A			
★ # 116	"	"	"	-30	-0.5	-10	80	85	-10	-12			-12	1.5	60	PG = 15 dB (f = 50 Mc)	120	2	50	13A			
★ # 117	"	Osc	"	-30	-0.5	-10	80	85	-10	-12			-12	1.5	40	V _{osc} = 0.25V (f = 60.7Mc)	110	2	50	13A			
★ # 118	"	Mix	"	-30	-0.5	-10	80	85	-10	-12			-12	1.5	60	PG = 15 dB (f = 50 Mc)	100	2	50	13A			
★ # 121	ソニー	RF. Conv Mix. Osc	Ge. GD	-15		-2	15	65	-8	-15			-6	1	-0.96*	50*	5*	0.25*	100	1.3	18	2S173 2T201	
★ # 122	"	"	"	-15		-2	15	65	-8	-15			-6	1	-0.96*	50*	5*	0.25*	100	1.3	18	2T201	
★ # 123	"	"	"	-15		-2	15	65	-8	-15			-6	1	-0.96*	50*	5*	0.25*	100	1.3	18	2T201	
★ # 124	"	"	"	-15		-2	15	65	-8	-15			-6	1	-0.97*	50*	5*	0.25*	120	1.3	18	2S138	
★ # 125	"	"	"	-15		-2	15	65	-2	-15			-6	1	-0.98*	40*	5*	0.25*	120	1.3	18	2S139	
★ # 126	日電	SW	Ge. Me	-12	-1	-50	150	100	-5	-5	40	-0.5	-10	-3	10		i _r = 22 nS, i _f = 65 nS i _r = 28 nS, i _f = 45 nS	300*		5	49C		
★ # 127	東芝	RF	Ge. D	-70	-0.5	-50	150	75	-50	-12			-6	1	-0.98*				25	15	40	13A	
★ # 128	"	SW	"	-40	-2	-600	170	75	-50	-12	35	-1.5	-600	-6	1		i _r = 0.35 μS, i _f = 1.1 μS i _r = 0.8 μS	>15	<25	<70	13A		
★ # 129	"	"	"	-40	-2	-600	170	75	-50	-12	70	-1.5	-600	-6	1		i _r = 0.35 μS, i _f = 1.1 μS i _r = 0.8 μS	>15	<25	<70	13A		
★ # 130	日立	RF. Conv	Ge. Me	-9	-0.5	-10	80	85	-15	-9			-3	1	80	PG = 19 dB (f = 12 Mc)	65	4	55	13A			
★ # 131	"	Osc	"	-9	-0.5	-10	80	85	-15	-9			-3	1	50				45	4	60	13A	
★ # 132	"	Mix	"	-9	-0.5	-10	80	85	-15	-9			-3	1	80	CG = 25 dB (f = 12 Mc)	50	4	70	13A			
★ # 133	"	IF	"	-9	-0.5	-10	80	85	-15	-9			-3	1	60	PG = 39 dB (f = 455kc)	40	4	110	13A			
★ # 134	"	"	"	-20	-0.5	-10	80	85	-30	-20			-6	1					140	3	100	72A	
★ # 135	"	RF. Conv	"	-20	-0.5	-10	80	85	-30	-20			-6	1					150	3	80	72A	
★ # 136	富士通	Conv	Ge. A	-6	-0.5	-10	80	85	-10	-6			-3	1	75	CG = 25 dB (f = 1.5Mc)	10	13	85	12A			
★ # 137	"	IF	"	-6	-0.5	-10	80	85	-10	-6			-3	1	50	PG = 28 dB (f = 455kc)	5	13	75	12A			