

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 _{CB0} (V)	V _{EB0} (V)	I _C (mA)	P _C (mW)	T _J (°C)	I _{CB0} 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} * (×10 ⁻⁴)	h _{oe} h _{ob} * (μU)	f _{ab} f _T * (Mc)			τ _{ab} h _{ie} (real)* (nS)	
									μA	V _{CE} (V)	I _C (mA)	V _{CE} (V)	I _C (mA)	V _{CB} (V)									I _E (mA)
★ 2SC98	松下	SW	Si.EP	20	5	100	300	175	0.1	20	45	0.35	10	2	-10				350*	<5		49C	
★ " 99	"	"	"	20	5	100	300	175	0.1	20	80	0.35	10	2	-10				350*	<5		49C	
★ " 100	日電	RF.SW	Si.E	40	5	200	150	200	0.025	20	60	1	10	10	-10	80	t _d +t _r <40nS t _r +t _f <70nS		400*	35	40*	23	
★ " 101	東芝	RF	Si.Me	60	5.5	2 A	60 W (T _a =25°C)	150	10mA	20				10	-0.5A	30	h _{FE} = 16 (f = 1 Mc)			350	C _e τ _{ab} 18 nS	101	
★ " 102	"	"	"	50		7 A	100 W (T _a =25°C)	150	45mA	50				10	-0.5A	25	h _{FE} = 10 (f = 1 Mc)			850	C _e τ _{ab} 10 nS	109	
★ " 103	"	SW	Si.P	25	5	50	250	175	1	15	35	1	10				t _d +t _r <40nS t _r <500nS, t _f <60nS					49C	
★ " 103A	"	"	"	30	5	80	250	175	0.2	15	100	1	10									49C	
★ " 104	"	RF	"	25		50	250	175	1	15				10	-10	32			250*	4	30	49C	
★ " 104A	"	"	"	30	5	80	250	175	0.2	15	60	1	10									49C	
★ " 105	"	"	"	30	5	80	250	175	0.005	15	35	1	0.1	10	-10	60			250*	4	30	49C	
★ " 106	"	SW.PA	Si.E	60	5	1.5 A	15 W (T _a =25°C)	150	3mA	30	20	5	0.5A	12	-200	30			100*	50	7	83	
★ " 107	"	"	"	60	5	1 A	15 W (T _a =25°C)	150	3mA	30	20	5	0.5A	12	-200	30			100*	50	7	83	
★ " 108	"	RF.SW	Si.EMe	90	5	600	600	150	1	30	35	2	150	10	-10				90*	20	55	84A	
★ " 109	"	SW	"	50	5	600	600	150	1	30	35	2	150									84A	
★ " 110	日立	RF.PA	Si.Me	40	5	200	750	175	1	20				6	-10	80			160*	7	55	84A	
★ " 111	"	"	"	50	5	200	750	175	1	20				6	-10	50			160*	10	60	84A	
★ " 112	"	SW	"	40	5	200	750	175	1	20	50	2	200									84A	
★ " 113	"	"	"	50	5	200	750	175	1	20	50	2	200									84A	
★ " 114	"	"	"	50	5	200	750	175	1	20	50						t _d = 20 nS, t _r = 110 nS t _r = 50 nS, t _f = 20 nS					84A	
★ " 115	ソニー	RF	Si.EMe	30	5	50	750	175	3	30	50	5	3	20	-10	50			200*	3	100*	84A	
★ " 116	日立	RF.PA	"	50	5	200	750	175	1	20	40	2	200	6	-10	40			120*	14	70	84A	
★ " 117	"	SW.PA	Si.TP	75	5	600	13 W (T _a =25°C)	175	5	40	40	15	30	15	-30	45			112*	15	20	83	
★ " 118	"	PA	"	80	5	600	13 W (T _a =25°C)	175	5	40				15	-30	45			120*	15	20	83	
★ " 119	"	"	"	75	5	600	13 W (T _a =25°C)	175	5	40				15	-30	45			130*	15	20	83	
★ " 120	日電	RF	Si.E	40	1	25	250	150	0.1	10	40	10	0.05	10	-1	90	27	2	0.1	200*	4	40	84B
★ " 121	"	RF.Conv.Mix Osc	"	40	1	25	250	175	1	30				10	-1	40	35*	2*	0.15*	130*	4	30*	84B
★ " 122	"	"	"	40	1	25	250	175	1	30				10	-1	90	35*	2*	0.15*	160*	4	40*	84B
★ " 123	"	"	"	40	1	25	250	175	1	30				10	-1	140	35*	2*	0.1*	180*	4	40*	84B
★ " 124	"	"	"	40	1	25	250	175	0.2	30	40	10	0.05	10	-1	90	35*	2*	0.1*	200*	4	40*	84B
★ " 125	ソニー	RF.SW	Si.EMe	100	5	50	750	175	3	30	50	5	3	20	-10	50			200*	3	C _e τ _{ab} 100 pS	84C	