

Small Signal Transistors (NPN)

NPN Silicon Transistors (TO-92 Plastic Package) $T_A = 25\text{ }^\circ\text{C}$
 On special request, these transistors will also be produced with TO-18 pin configuration.

Type	Pin Config.	V_{CE0}	h_{FE}	at V_{CE}/I_C	V_{CEsat}	at I_C/I_B	I_{CES}	at V_{CE}	f_T	at V_{CE}/I_C	C_{ob}	at V_{CB}
		Volts		V/mA	max. V	mA/mA	max. nA	V	MHz	V/mA	max. pF	V
2N4124	E	25	120–360	1/2	0.3	50/5	–	–	200	5/10	12	10
BC337-16	B	45	100–250	1/100	0.7	500/50	100	45	100	5/10	typ. 12	10
BC337-25	B	45	160–400	1/100	0.7	500/50	100	45	100	5/10	typ. 12	10
BC337-40	B	45	250–630	1/100	0.7	500/50	100	45	100	5/10	typ. 12	10
BC338-16	B	25	100–250	1/100	0.7	500/50	100	25	100	5/10	typ. 12	10
BC338-25	B	25	160–400	1/100	0.7	500/50	100	25	100	5/10	typ. 12	10
BC338-40	B	25	250–630	1/100	0.7	500/50	100	25	100	5/10	typ. 12	10
BC546A	B	65	110–220	5/2	0.6	100/5	15	80	300	5/10	6.0	10
BC546B	B	65	200–450	5/2	0.6	100/5	15	80	300	5/10	6.0	10
BC547A	B	45	110–220	5/2	0.6	100/5	15	50	300	5/10	6.0	10
BC547B	B	45	200–450	5/2	0.6	100/5	15	50	300	5/10	6.0	10
BC547C	B	45	420–800	5/2	0.6	100/5	15	50	300	5/10	6.0	10
BC548A	B	30	110–220	5/2	0.6	100/5	15	30	300	5/10	6.0	10
BC548B	B	30	200–450	5/2	0.6	100/5	15	30	300	5/10	6.0	10
BC548C	B	30	420–800	5/2	0.6	100/5	15	30	300	5/10	6.0	10
BC549B¹⁾	B	30	200–450	5/2	0.6	100/5	15	30	300	5/10	6.0	10
BC549C¹⁾	B	30	420–800	5/2	0.6	100/5	15	30	300	5/10	6.0	10
ITT3904	E	40	100–400	10/1	0.3	50/5	50 ²⁾	30	min. 300	20/10	4.0	5
ITT8050CU	E	25	120–200	1/100	0.5	500/50	100	35	100	5/10	typ. 12	10
ITT8050DU	E	25	160–300	1/100	0.5	500/50	100	35	100	5/10	typ. 12	10
ITT9013G[*]	B	30	110–183	1/50	0.5	500/20	100	31	100	5/10	typ. 12	10
ITT9013H[*]	B	30	177–250	1/50	0.5	500/20	100	31	100	5/10	typ. 12	10
ITT9014A[*]	B	30	60–150	5/1	0.6	100/5	15	30	300	5/10	6.0	10
ITT9014B[*]	B	30	100–300	5/1	0.6	100/5	15	30	300	5/10	6.0	10
ITT9014C[*]	B	30	200–600	5/1	0.6	100/5	15	30	300	5/10	6.0	10
ITT9014D[*]	B	30	400–1000	5/1	0.6	100/5	15	30	300	5/10	6.0	10
JC500-O	D	25	90–180	5/1	0.6	100/5	15	30	250	5/10	6.0	10
JC500-P	D	25	135–270	5/1	0.6	100/5	15	30	250	5/10	6.0	10
JC500-Q	D	25	200–400	5/1	0.6	100/5	15	30	250	5/10	6.0	10
JC500-R	D	25	300–600	5/1	0.6	100/5	15	30	250	5/10	6.0	10
JC501-O	D	45	90–180	5/1	0.6	100/5	15	50	250	5/10	6.0	10
JC501-P	D	45	135–270	5/1	0.6	100/5	15	50	250	5/10	6.0	10
JC501-Q	D	45	200–400	5/1	0.6	100/5	15	50	250	5/10	6.0	10
JC501-R	D	45	300–600	5/1	0.6	100/5	15	50	250	5/10	6.0	10

^{*}) The transistors with suffix “U” (for example ITT9013HU) are also available with pin configuration “E”.

¹⁾ Low Noise Type ²⁾ I_{CEV}