

TO-92 Plastic Package Transistors (NPN)

Maximum Ratings						Electrical Characteristics (Ta=25°C, Unless Otherwise Specified)																				
Type No.	V _{CB0} (V) Min	V _{CE0} (V) Min	V _{EB0} (V) Min	P _D (W) @Tc=25°C	I _C (A) 0.1	I _{CB0} (μA) Max	V _{CB} (V) @ (V)	I _{CES} (μA) Max	V _{CE} (V) @ (V)	I _{FE} Min	β Max	I _C & (mA)	V _{CE} (V)	V _{CE(SAT)} (V) Max	V _{BE(SAT)} (V) Max	I _C (mA) @ (mA)	C _{ob} (pF) Typ	f _t (MHz) Min	β Typ	I _C (mA) Max	t _{on} (ns) Max	N _F (dB) Max	β Freq (MHz)	C _{re} (pF) Max	CDIL Case Style	
BC546C	80	65	6	0.5	0.1			0.015	70	420	800	2	5	0.25 0.6		10 100	1.7 4.5	150 300	10			10				TO-92-4
BC547	50	45	6	0.5	0.1			0.015	50	110	800	2	5	0.25 0.6		10 100	1.7 4.5	150 300	10			10	0.001			TO-92-4
BC547A	50	45	6	0.5	0.1			0.015	50	110	220	2	5	0.25 0.6		10 100	1.7 4.5	150 300	10			10	0.001			TO-92-4
BC547B	50	45	6	0.5	0.1			0.015	50	200	450	2	5	0.25 0.6		10 100	1.7 4.5	150 300	10			10	0.001			TO-92-4
BC547C	50	45	6	0.5	0.1			0.015	50	420	800	2	5	0.25 0.6		10 100	1.7 4.5	150 300	10			10	0.001			TO-92-4
BC548	30	30	6	0.5	0.1			0.015	35	110	800	2	5	0.25 0.6		10 100	1.7 4.5	150 300	10			10	0.001			TO-92-4
BC548A	30	30	6	0.5	0.1			0.015	35	110	220	2	5	0.25 0.6		10 100	1.7 4.5	150 300	10			10	0.001			TO-92-4
BC548B	30	30	6	0.5	0.1			0.015	35	220	450	2	5	0.25 0.6		10 100	1.7 4.5	150 300	10			10	0.001			TO-92-4
BC548C	30	30	6	0.5	0.1			0.015	35	420	800	2	5	0.25 0.6		10 100	1.7 4.5	150 300	10			10	0.001			TO-92-4
BC549	30	30	5	0.625	0.1	0.015	30			240	900	2	5	0.25 0.6		10 100	1.7 4.5	150 300	10			4	0.001			TO-92-4
BC549A	30	30	5	0.625	0.1	0.015	30			110	220	2	5	0.25 0.6		10 100	1.7 4.5	150 300	10			4	0.001			TO-92-4
BC549B	30	30	5	0.625	0.1	0.015	30			240 100	500	2 0.01	5	0.25 0.6 0.6		10 100	1.7 4.5	150 300	10			4	0.001			TO-92-4
BC549C	30	20	5	0.625	0.1	0.015	30			420 100	800	2 0.01	5	0.25 0.6		10 100	1.7 4.5	150 300	10			4	0.001			TO-92-4
BC550	50	45	5	0.625	0.1	0.015	30			240 110	800	2 0.01	5	0.25 0.6		10 100	2.5 4.5	150 300	10			4	0.001			TO-92-4
BC550B	50	45	5	0.625	0.1	0.015	30			200 100	450	2 0.01	5	0.25 0.6		10 100	2.5 4.5	150 300	10			4	0.001			TO-92-4
BC550C	50	45	5	0.625	0.1	0.015	30			420 100	800	2 0.01	5	0.25 0.6		10 100	2.5 4.5	150 300	10			4	0.001			TO-92-4
BC635	45	45	5	0.8	1.0	0.1	30			25 40 25		5 250 500	2 2 2	0.5		500	7		200	10						TO-92-1
BC635-10	45	45	5	0.8	1.0	0.1	30			25 63 25		5 160 500	2 2 2	0.5		500	7		200	50						TO-92-1
BC635-16	45	45	5	0.8	1.0	0.1	30			25 100 25		5 250 500	2 2 2	0.5		500	7		200	50						TO-92-1
BC637	60	60	5	0.8	1.0	0.1	30			25 40 25		5 160 500	2 2 2	0.5		500	7		200	10						TO-92-1
BC637-10	60	60	5	0.8	1.0	0.1	30			25 63 25		5 160 500	2 2 2	0.5		500	7		200	50						TO-92-1