

# TO-92 Plastic Package Transistors (NPN)

Maximum Ratings						Electrical Characteristics (Ta=25°C, Unless Otherwise Specified)																							
Type No.	V <sub>CB0</sub> (V) Min	V <sub>CE0</sub> (V) Min	V <sub>EB0</sub> (V) Min	P <sub>D</sub> (W) @Tc=25°C	I <sub>C</sub> (A)	I <sub>CB0</sub> (μA) Max	V <sub>CB</sub> (V) @ (V)	I <sub>CES</sub> (μA) Max	V <sub>CE</sub> (V) @ (V)	I <sub>FE</sub> Min	@ Max	I <sub>C</sub> & (mA)	V <sub>CE</sub> (V)	V <sub>CE(SAT)</sub> (V) Max	Min	V <sub>BE(SAT)</sub> (V) Max	I <sub>C</sub> (mA) @ (mA)	C <sub>ob</sub> (pF) Typ	Max	f <sub>t</sub> (MHz) Min	Typ	@ Max	I <sub>C</sub> (mA)	t <sub>on</sub> (ns) Max	N <sub>F</sub> (dB) Max	@ Freq (MHz)	C <sub>re</sub> (pF) Max	CDIL Case Style	
BC546C	80	65	6	0.5	0.1			0.015	70	420	800	2	5	0.25			10	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			10	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			10	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			10	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			10	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			10	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			10	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			10	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			10	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			10	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			10	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	500	2	5	0.25			10	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	800	2	5	0.25			10	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	800	2	5	0.25			10	2.5	4.5	150	300		10		4	0.001		TO-92-4	
BC550B	50	45	5	0.625	0.1	0.015	30			110		0.01	5	0.6			100									4	0.001		TO-92-4
BC550C	50	45	5	0.625	0.1	0.015	30			200	450	2	5	0.25			10	2.5	4.5	150	300		10		4	0.001		TO-92-4	
BC635	45	45	5	0.8	1.0	0.1	30			100		0.01	5	0.6			100									4	0.001		TO-92-4
BC635-10	45	45	5	0.8	1.0	0.1	30			420	800	2	5	0.25			10	2.5	4.5	150	300		10		4	0.001		TO-92-4	
BC635-16	45	45	5	0.8	1.0	0.1	30			25		5	2	0.5			500	7		200		50						TO-92-1	
BC637	60	60	5	0.8	1.0	0.1	30			25		5	2	0.5			500	7		200		10						TO-92-1	
BC637-10	60	60	5	0.8	1.0	0.1	30			25		5	2	0.5			500	7		200		50						TO-92-1	