

TO-92 Plastic Package Transistors (NPN)

Maximum Ratings						Electrical Characteristics (Ta=25°C, Unless Otherwise Specified)																	
Type No.	V _{CBO} (V) Min	V _{CEO} (V) Min	V _{EBO} (V) Min	P _D (W) @ Tc=25°C	I _C (A)	I _{CBO} (μA) Max	V _{CB} (V) @ (V)	I _{CES} (μA) Max	V _{CE} (V) @ (V)	h _{FE} @ Min Max	I _C & (mA)	V _{CE} (V)	V _{CE(SAT)} (V) Max Min	V _{BE(SAT)} (V) Max	I _C (mA) @ (mA)	C _{ob} (pF) Typ Max	f _i (MHz) Min Typ Max	t _{off} (ns) Max	N _F (dB) Max	@ Freq (MHz)	C _{re} (pF) Max	CDIL Case Style	
BC449A	100	100	5	0.625	0.3	0.1	80			120 220 100 10 60 100	2 5 5 5		0.25		100		100		50				TO-92-4
BC449B	100	100	5	0.625	0.3	0.1	80			180 460 160 10 90 100	2 5 5 5		0.25		100		100		50				TO-92-4
BC451C	50	45	6	0.35	0.1	.015	50			450 800	5 2		0.2 0.6		10 100	4.5	150		10	10			TO-92-4
BC485	45	45	5	0.625	1	0.1	30			15 1000 40 10 60 400 100	5 2 2 2		0.5	1.2	500	7	200		50				TO-92-4
BC485A	45	45	5	0.625	1	0.1	30			40 10 100 250 100 15 1000	2 2 2 5		0.5	1.2	500	7	200		50				TO-92-4
BC485B	45	45	5	0.625	1	0.1	30			40 10 160 400 100 15 1000	2 2 2 5		0.5	1.2	500	7	200		50				TO-92-4
BC485L	45	45	5	0.625	1	0.1	30			40 10 60 150 100 15 1000	2 2 2 5		0.5	1.2	500	7	200		50				TO-92-4
BC487	60	60	5	0.625	1	0.1	40			40 10 60 400 100 15 1000	2 2 2 5		0.5	1.2	500	7	200		50				TO-92-4
BC487A	60	60	5	0.625	1	0.1	40			40 10 100 250 100 15 1000	2 2 2 5		0.5	1.2	500	7	200		50				TO-92-4
BC487B	60	60	5	0.625	1	0.1	40			40 10 160 400 100 15 1000	2 2 2 5		0.5	1.2	500	7	200		50				TO-92-4
BC487L	60	60	5	0.625	1	0.1	40			40 10 60 150 100 15 1000	2 2 2 5		0.5	1.2	500	7	200		50				TO-92-4
BC489	80	80	5	0.625	1	0.1	60			40 10 60 400 100 15 1000	2 2 2 5		0.5	1.2	500	7	200		50				TO-92-4
BC489A	80	80	5	0.625	1	0.1	60			40 10 100 250 100 15 1000	2 2 2 5		0.5	1.2	500	7	200		50				TO-92-4
BC489B	80	80	5	0.625	1	0.1	60			40 10 160 400 100 15 1000	2 2 2 5		0.5	1.2	500	7	200		50				TO-92-4
BC489L	80	80	5	0.625	1	0.1	60			40 10 60 150 100 15 1000	2 2 2 5		0.5	1.2	500	7	200		50				TO-92-4
BC546	80	65	6	0.5	0.1			0.015	70	110 450	2 5		0.25 0.6		10 100	1.7	4.5	150 300		10	0.001		TO-92-4
BC546A	80	65	6	0.5	0.1			0.015	70	110 220	2 5		0.25 0.6		10 100	1.7	4.5	150 300		10	0.001		TO-92-4
BC546B	80	65	6	0.5	0.1			0.015	70	200 450	2 5		0.25 0.6		10 100	1.7	4.5	150 300		10	0.001		TO-92-4

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