

# Low Level and General Purpose Amplifiers

TYPE NO.	POLARITY	CASE	MAXIMUM RATINGS			H <sub>FE</sub>		I <sub>C</sub> (mA)	V <sub>CE</sub> (V)	V <sub>CE(sat)</sub>		f <sub>T</sub> min (MHz)	C <sub>ob</sub> max (MHz)	N.F. max (dB)
			P <sub>o</sub> (mW)	I <sub>C</sub> (mA)	V <sub>CEO</sub> (V)	min	max			max (V)	I <sub>C</sub> (mA)			
BC107	N	TO-18	300	100	45	110	450 #	2	5	0.6	100	150	6	10
BC108	N	TO-18	300	100	20	110	800 #	2	5	0.6	100	150	6	10
BC109	N	TO-18	300	100	20	110	800 #	2	5	0.6	100	150	6	4
BC110	N	TO-18	300	50	80	30	-	2	5	0.6	50	100+	5	-
BC147	N	TO-92F	350	100	45	110	450 #	2	5	0.6	100	200+	4.5	10
BC148	N	TO-92F	350	100	20	110	800 #	2	5	0.6	100	200+	4.5	10
BC149	N	TO-92F	350	100	20	200	800 #	2	5	0.6	100	200+	4.5	10
BC157	P	TO-92F	350	100	45	110	450 #	2	5	0.3	10	150+	3.5+	10
BC158	P	TO-92F	350	100	25	110	800 #	2	5	0.3	10	150+	3.5+	10
BC159	P	TO-92F	350	100	20	200	800 #	2	5	0.3	10	150+	3.5+	4
BC167	N	TO-92B	300	100	45	110	450 #	2	5	0.6	100	150	4.5	10
BC168	N	TO-92B	300	100	20	110	800 #	2	5	0.6	100	150	4.5	10
BC169	N	TO-92B	300	100	20	200	800 #	2	5	0.6	100	150+	4.5	4
BC170	N	TO-92F	300	100	20	36	600 #	1	1	0.25	1	100+	4+	10
BC171	N	TO-92F	300	100	45	125	500 □ #	2	5	0.6	100	150	6	10
BC172	N	TO-92F	300	100	25	125	900 □ #	2	5	0.6	100	150	6	10
BC173	N	TO-92F	300	100	25	125	900 □ #	2	5	0.6	100	150	6	10
BC174	N	TO-92F	300	100	64	110	800 #	2	5	0.6	100	150	10	10
BC177	P	TO-18	300	100	45	70	450 #	2	5	0.3	10	150	7	10
BC178	P	TO-18	300	100	25	70	800 #	2	5	0.3	10	100	7	10
BC179	P	TO-18	300	100	25	200	800 #	2	5	0.3	10	100	7	4
BC181	P	TO-92F	300	200	25	60	-	2.5	5	0.25	50	150+	4.7+	-
BC182	N	TO-92F	300	200	50	110	450 #	2	5	0.6	100	150	5	10
BC182L	N	TO-92B	300	200	50	110	450 #	2	5	0.6	100	150	5	10
BC183	N	TO-92F	300	200	50	110	800 #	2	5	0.6	100	150	5	10
BC183L	N	TO-92B	300	200	30	110	800 #	2	5	0.6	100	150	5	10
BC184	N	TO-92F	300	200	30	200	800 #	2	5	0.6	100	150	5	4
BC184L	N	TO-92B	300	200	30	200	800 #	2	5	0.6	100	150	5	4
BC186	P	TO-18	300	100	25	40	200	2	5	0.5	50	50	10	10
BC187	P	TO-18	300	100	25	100	500	2	5	0.5	50	150+	3.5+	10
BC190	N	TO-18	300	100	64	125	500 #	2	5	0.6	100	200+	6	10
BC192	P	TO-18	400	500	25	60	180	5	5	0.25	50	100	12	4
BC212	P	TO-92F	300	200	50	100	400 □ #	2	5	0.6	100	100	10	10
BC212L	P	TO-92B	300	200	50	100	400 □ #	2	5	0.6	100	100	10	10
BC213	P	TO-92F	300	200	30	100	600 □ #	2	5	0.6	100	100	10	10
BC213L	P	TO-92B	300	200	30	100	600 □ #	2	5	0.6	100	100	10	10
BC214	P	TO-92F	300	200	30	200	600 □ #	2	5	0.6	150	150	10	2
BC214L	P	TO-92B	300	200	30	200	600 □ #	2	5	0.6	100	150	10	2
BC224	P	TO-92B	250	30	30	150	450	1	5	0.7	10	150+	3.5+	-
BC237	N	TO-92F	300	100	45	110	450 #	2	5	0.6	100	150	4.5	10
BC238	N	TO-92F	300	100	20	110	800 #	2	5	0.6	100	150	4.5	10
BC239	N	TO-92F	300	100	20	200	800 #	2	5	0.6	100	150	4.5	4
BC250	P	TO-92F	300	100	20	35	800 #	1	1	0.4+	30	100	6	-
BC251	P	TO-92F	300	100	45	125	900 □ #	2	5	0.3	10	80	6	10
BC252	P	TO-92F	300	100	25	125	900 □ #	2	5	0.3	10	80	6	10
BC253	P	TO-92F	300	100	25	125	900 □ #	2	5	0.3	10	80	6	4
BC256	P	TO-92F	300	100	64	125	500 #	2	5	0.5	100	130+	6	10
BC257	P	TO-92B	300	100	45	70	450 #	2	5	0.3	10	130	6	10
BC258	P	TO-92B	300	100	25	70	800 #	2	5	0.3	10	130	6	10
BC259	P	TO-92B	300	100	20	200	800 #	2	5	0.3	10	130	6	4
BC260	P	TO-18	300	100	20	35	600 #	1	1	0.4+	30	100	6	-
BC261	P	TO-18	300	100	45	125	900 □ #	2	5	0.3	10	100	6	10
BC262	P	TO-18	300	100	25	125	900 □ #	2	5	0.3	10	100	6	10
BC263	P	TO-18	300	100	25	125	900 □ #	2	5	0.3	10	100	6	4
BC266	P	TO-18	300	100	64	110	450 #	2	5	0.3	10	150+	6	10

# HFE groupings available □ hfe @ 1KHz + typical value