

Medium Power Amplifiers and Switches

TYPE NO.	POLARITY	CASE	MAXIMUM RATINGS			H_{FE}				$V_{CE(SAT)}$		f_T min (MHz)	Cob max (pF)	COMPLEMENTARY TYPE
			P_d (mW)	I_C (A)	V_{CEO} (V)	min	max	I_C (mA)	V_{CE} (V)	max (V)	I_C (A)			
BC119	N	TO-39	800	1	30	40	120	150	1	0.35	0.15	40	25	BC139
BC138	N	TO-39	800	1	30	35	—	100	10	1.5	1	40	25	—
BC139	P	TO-39	700	0.5	40	40	—	100	10	0.8	0.3	—	6+	BC119
BC140	N	TO-39	800	1.1	40	40	250 #	100	1	1	1	50	25	BC160
BC141	N	TO-39	800	1	60	40	250 #	100	1	1	1	50	25	BC161
BC142	N	TO-39	800	1	60	20	—	200	2	0.4	0.2	40	25	BC143
BC143	P	TO-39	800	1	60	20	—	300	1	0.6	0.2	60	20	BC142
BC144	N	TO-39	800	1	40	20	—	300	1	0.6	0.5	100+	20	—
BC160	P	TO-39	800	1	40	40	250 #	100	1	1	1	50	30	BC140
BC161	P	TO-39	800	1	60	40	250 #	100	1	1	1	50	30	BC141
BC185	N	TO-39	700	0.5	40	40	—	100	10	0.45	0.3	200	8	—
BC210	N	TO-18	450	0.7	25	20	120	150	1	—	—	100	8	—
BC211	N	TO-39	800	1	40	40	250 #	150	2	1	1	50	25	BC313
BC211A	N	TO-39	800	1	60	40	250 #	150	2	1	1	50	25	BC313A
BC215	P	TO-18	400	0.5	30	40	300 #	150	10	0.9+	0.5	150	8	—
BC223	N	TO-92F	360	0.4	30	100	450 #	50	2	0.3	0.1	100	10	—
BC231	P	TO-92B	625	0.4	30	100	450	50	5	0.25	0.05	100	10	BC232
BC232	N	TO-92B	625	0.4	30	100	450	50	5	0.3	0.1	100	10	BC231
BC284	N	TO-18	500	0.2	40	100	600	10	10	1	0.1	50	20	—
BC286	N	TO-39	800	1	60	20	180	500	2	1	1	150+	11+	BC287
BC287	P	TO-39	800	1	60	20	200	500	2	1	1	140+	18+	BC286
BC294	P	TO-39	600	0.6	60	100	300	150	10	0.4	0.15	100	—	—
BC297	P	TO-18	375	1	45	75	260 #	100	1	0.7	0.5	250+	8+	BC377
BC298	P	TO-18	375	1	25	75	260 #	100	1	0.7	0.5	250+	8+	BC378
BC300	N	TO-39	850	1	80	40	240 #	150	10	0.5	0.15	120+	10+	—
BC301	N	TO-39	850	1	60	40	240 #	150	10	0.5	0.15	120+	10+	BC303
BC302	N	TO-39	850	1	45	40	240 #	150	10	0.5	0.15	120+	10+	BC304
BC303	P	TO-39	850	1	60	40	240 #	150	10	0.65	0.15	100+	17+	BC301
BC304	P	TO-39	850	1	45	40	240 #	150	10	0.65	0.15	100+	17+	BC302
BC310	N	TO-39	800	1	70	40	—	200	1	0.4	0.2	90+	12+	BC311
BC311	P	TO-39	800	1	70	40	—	200	1	0.5	0.2	200+	12+	BC310
BC313	P	TO-39	800	1	40	40	250 #	150	2	1	1	50	30	BC211
BC313A	P	TO-39	800	1	60	40	250 #	150	2	1	1	50	30	BC211A
BC327	P	TO-92F	625	0.8	45	100	630 #	100	1	0.7	0.5	100+	14+	BC337
BC328	P	TO-92F	625	0.8	25	100	630 #	100	1	0.7	0.5	100+	14+	BC338
BC337	N	TO-92F	625	0.8	45	100	630 #	100	1	0.7	0.5	100+	10+	BC327
BC338	N	TO-92F	625	0.8	25	100	630 #	100	1	0.7	0.5	100+	10+	BC328
BC340	N	TO-39	800	0.5	40	40	250 #	50	5	0.4	0.15	100+	6.5+	BC360
BC341	N	TO-39	800	0.5	60	40	160 #	50	5	0.4	0.15	100+	6.5+	BC361
BC342	N	TO-39	800	1	60	20	—	500	10	0.8	0.3	100+	20	BC343
BC343	P	TO-39	800	1	60	20	—	500	10	0.8	0.3	100	20	BC342
BC344	N	TO-39	800	1	80	20	—	150	10	0.8	0.15	100	20	BC345
BC345	P	TO-39	800	1	80	20	—	150	10	0.8	0.15	100	20	BC344
BC360	P	TO-39	800	0.5	40	40	250 #	50	5	0.4	0.15	250+	6.5+	BC340
BC361	P	TO-39	800	0.5	60	40	160 #	50	5	0.4	0.15	250+	6.5+	BC341
BC368	N	TO-92B	800	1	20	85	375	500	1	0.5	1	65+	—	BC369
BC369	P	TO-92B	800	1	20	85	375	500	1	0.5	1	65+	—	BC368
BC376	P	TO-92F	625	1	20	60	340 #	200	1	0.5	0.5	—	—	—
BC377	N	TO-18	375	1	45	75	500	100	1	0.7	0.5	100	12	BC297
BC378	N	TO-18	375	1	25	75	500 #	100	1	0.7	0.5	100	12	BC298
BC381	P	TO-92F	625	0.2	25	60	—	2.5	5	0.25	0.05	100	10	—
BC387	N	TO-92F	310	0.6	30	40	300	100	1	0.5	0.1	200	10	BC388
BC388	P	TO-92F	310	0.6	30	40	300	100	1	0.5	0.1	200	10	BC387
BC425	N	TO-92F	500	0.5	60	20	250	100	10	0.25	0.1	50	4+	BC427
BC427	P	TO-92F	500	0.5	60	20	250	100	10	0.25	0.1	50	4.7+	BC425

H_{FE} groupings available + Typical value