

Transistors, General

Type	Polarity	Material	P _{tot} Max. (mW)	f _T Typ- (MHz)	Absolute Max. Ratings				h _{FE}			T _J Max. (°C)	C _{DB} Max. (pF)	Case Outline	Lead Info.	Manufacturer
					V _{CE0} (V)	V _{CEO} (V)	V _{EB0} (V)	I _C (mA)	Min.	at mA	Max.					
BF158	NPN	Si	200	600	30	12	2	50	20	4	-	125	1.2	TO-106	07	SGS,u
BF159	NPN	Si	200	600	40	20	2	50	20	4	-	125	1.2	TO-106	07	u
BF160	NPN	Si	200	400	30	12	2	50	30	1	-	125	1.2	TO-106	07	SGS,u
BF160C	NPN	Si	200	400	30	12	2	50	50	1	-	125	1.2	TO-106	07	u
BF161	NPN	Si	175	400	50	50	4	20	20	3	-	175	0.45	TO-72	03	SGS
BF166	NPN	Si	175	400	40	40	3	25	20	2	-	175	1.2	TO-72	03	SGS
BF167	NPN	Si	130	350	40	30	4	25	26	4	-	175	0.3	TO-72	25	AEG,M,N,SGS
BF173	NPN	Si	260	550	40	25	4	25	40	5	100	175	0.3	TO-72	25	AEG,M,SGS,u
BF177	NPN	Si	600	120	115	60	5	50	20	20	-	200	3.6	TO-39	08	TI
BF178	NPN	Si	600	120	160	115	5	50	20	20	-	200	3.6	TO-39	08	TI,u
BF179	NPN	Si	600	120	250	115	5	50	20	20	-	200	3.6	TO-39	08	TI,u
BF180	NPN	Si	150	675	30	20	3	20	13	2	-	175	0.56	TO-72	03	M,N
BF181	NPN	Si	150	600	30	20	3	20	13	2	-	175	0.56	TO-72	03	M,N
BF182	NPN	Si	150	650	25	20	3	15	10	2	-	175	0.66	TO-72	03	M,N
BF183	NPN	Si	150	800	25	20	3	15	10	2	-	175	0.66	TO-72	03	M
BF184	NPN	Si	145	300	30	20	3	15	75	1	750	175	1.3	TO-72	25	AEG,u
BF185	NPN	Si	145	220	30	20	3	30	34	1	140	175	1.3	TO-72	25	AEG,u
BF194	NPN	Si	1W	-	30	20	5	30	67	1	220	150	0.34	TO-72	26	M,N
BF195	NPN	Si	1W	-	30	20	5	30	35	1	125	150	0.34	TO-72	26	M,N
BF196	NPN	Si	500	400	40	30	4	25	27	4	-	175	0.4	TO-72	26	M,N
BF196P	NPN	Si	500	400	40	30	4	25	27	4	-	175	0.4	TO-92	06	Fe
BF197	NPN	Si	500	550	40	25	4	25	38	7	-	175	0.6	TO-72	26	M,N
BF197P	NPN	Si	500	550	40	25	4	25	38	7	-	175	0.6	TO-92	06	Fe
BF198	NPN	Si	500	400	40	30	4	25	27	4	-	150	0.4	TO-92	27	AEG,ITT,M,Mo,N
BF199	NPN	Si	500	350	40	25	4	25	38	3	-	150	0.6	TO-92	27	AEG,F,ITT,M,Mo,N
BF200	NPN	Si	150	650	30	20	3	20	15	3	-	175	0.56	TO-72	03	M,N
BF222	NPN	Si	175	200	50	50	4	20	20	2	-	175	-	TO-72	03	SGS
BF233	NPN	Si	350	375	32	25	4	30	40	15	-	140	0.7	TO-106	28	SGS
BF233-2	NPN	Si	1W	150	30	30	4	20	40	1	70	150	1	TO-106	28	N
BF233-3	NPN	Si	1W	150	30	30	4	20	60	1	100	150	1	TO-106	28	N
BF234-4	NPN	Si	1W	150	30	30	4	20	90	1	150	150	1	TO-106	28	N
BF233-5	NPN	Si	1W	150	30	30	4	20	140	1	220	150	1	TO-106	28	N
BF234	NPN	Si	300	150	30	30	4	30	90	1	330	125	1	TO-106	28	u
BF240	NPN	Si	300	430	40	40	4	25	67	1	220	150	0.34	TO-92	27	AEG,ITT,N
BF241	NPN	Si	300	400	40	40	4	25	36	1	125	150	0.34	TO-92	27	AEG,ITT,Mo,N
BF251	NPN	Si	150	300	30	30	4	25	30	4	-	175	0.3	TO-72	25	SGS
BF252	NPN	Si	150	100	40	30	4	25	30	2	-	175	0.74	TO-72	25	SGS
BF254	NPN	Si	300	260	30	20	5	30	67	1	220	150	1.7	TO-92	27	AEG,ITT,Mo,N
BF255	NPN	Si	300	200	30	20	5	30	36	1	125	150	1.7	TO-92	27	AEG,ITT,N,u
BF257	NPN	Si	5W	90	160	160	5	100	25	30	-	175	7	TO-39	08	AEG,Mo,N,SGS, TI,u
BF258	NPN	Si	5W	90	250	250	5	100	25	30	-	175	7	TO-39	08	AEG,N,SGS, TI
BF259	NPN	Si	5W	90	300	300	5	100	25	30	-	175	7	TO-39	08	AEG,N,SGS, TI
BF262P	NPN	Si	120	650	30	20	3	20	13	2	-	125	-	SOT-37/9	29	M
BF263P	NPN	Si	120	525	30	20	3	20	13	2	-	125	-	SOT-37/9	29	M
BF271	NPN	Si	250	450	30	30	4	50	30	10	-	200	1.5	TO-72	03	SGS,u
BF272A	PNP	Si	200	700	-40	-35	-3	20	25	3	-	200	0.5	TO-72	03	SGS
BF273	NPN	Si	200	600	40	35	4	50	40	1	-	125	1.5	TO-106	28	SGS,u
BF274	NPN	Si	200	600	40	35	4	50	70	1	-	125	1.5	TO-106	28	SGS,u
BF287	NPN	Si	250	400	40	40	4	20	40	2	-	200	0.42	TO-72	03	SGS
BF288	NPN	Si	250	250	40	40	4	20	65	1	-	200	0.48	TO-72	03	SGS
BF310	NPN	Si	300	580	30	30	4	25	29	4	-	150	-	TO-92	11	AEG
BF311	NPN	Si	360	750	35	25	4	40	40	15	-	150	-	TO-92	27	AEG
BF314	NPN	Si	300	450	30	30	4	25	29	4	-	150	-	TO-92	11	AEG
BF316A	PNP	Si	200	400	-40	-35	-3	20	30	3	-	200	0.4	TO-72	03	SGS
BF324	PNP	Si	250	450	-30	-30	-4	25	25	-	160	150	-	TO-92	11	ITT,M
BF336	NPN	Si	3W	80	185	180	5	100	200	30	-	200	6	TO-39	08	M, TI,u
BF337	NPN	Si	3W	80	250	200	-	100	20	30	-	200	6	TO-39	08	M, TI,u
BF338	NPN	Si	3W	80	300	225	-	100	20	30	-	200	6	TO-39	08	M, TI,u
BF355	NPN	Si	3W	80	300	225	5	100	16	-	-	200	-	TO-39	08	M
BF357K	NPN	Si	200	2000	30	15	6	50	20	5	350	200	1.7	TO-92	15	TI
BF362	NPN	Si	120	800	30	20	3	20	20	3	-	125	-	SOT-37	30	AEG,M
BF363	NPN	Si	120	700	30	20	3	20	20	3	-	125	-	SOT-37	30	AEG,M
BF414	PNP	Si	300	560	-40	-30	-4	25	30	1	-	150	-	TO-92	11	AEG
BF419	NPN	Si	6W	-	300	250	5	100	45 @ 25 (typ)	50	25	150	4.5	TO-126	31	M
BF422	NPN	Si	830	60	250	250	5	20	50	25	-	150	1.6	TO-92	09	AEG,M
BF423	PNP	Si	830	60	-250	-250	-5	20	50	25	-	150	1.6	TO-92	09	AEG,M
BF435	PNP	Si	625	80	-160	-160	-5	200	50	10	-	125	1.8	TO-92	09	TI
BF436	PNP	Si	625	80	-250	-250	-5	200	40	10	-	125	1.8	TO-92	09	TI
BF437	PNP	Si	625	80	-300	-300	-5	200	30	10	-	125	1.8	TO-92	09	TI
BF440	PNP	Si	300	250	-40	-40	-4	25	60	1	220	150	-	TO-92	27	AEG