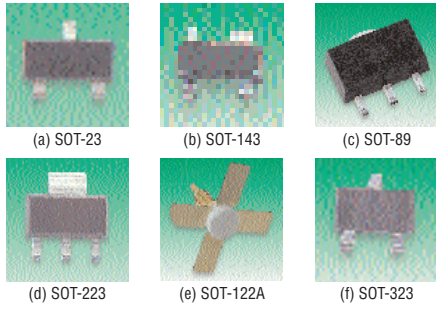


Low Power, Wideband



NPN/ PNP	V _{CEO} max V	I _C max mA	P _{tot} mW	f _i GHz	h _{FE} min	I _C @ mA	Pack- age	Device Marking	Mfr.	Mfrs. List No.
f_i up to 3.5GHz										
NPN	5	6.5	30	2.3	20	1	a	V1p	PS	BFT25
NPN	15	25	300	1.0	25	25	a	E1p	PS	BFS17
NPN	15	25	300	2.8	25	25	a	E2p	PS	BFS17A
NPN	15	50	280	2.5	20	25	a	MC	INF	BFS17P
NPN	15	50	300	1.6	25	25	f	E1	PS	BFS17W
NPN	20	25	330	0.45	40	7	a	G1	ZET	BFS20
NPN	20	30	250	0.26	65	1	a	F2p/F2t	PS	BFS19
NPN	25	300	1000	1.5	25	150	c	FA	PS	BFQ17
NPN	25	150	1000	1.6	25	150	d	—	PS	BFG16A
PNP	30	25	250	0.4	25	4	a	F8p	PS	BF824
PNP	40	25	250	0.325	50	1	a	LAp/Lat	PS	BF550
f_i up to 6GHz										
NPN	5	6.5	32	5.0	50	0.5	f	N6	PS	BFS25A
NPN	12	35	300	5.0	40	30	a	R1	PS	BFR93
NPN	12	35	300	6.0	40	30	a	R2	PS	BFR93A
PNP	12	35	300	5.0	20	30	a	X1p	PS	BFT93
NPN	15	25	300	5.0	40	14	a	P1p	PS	BFR92
NPN	15	25	300	5.0	40	15	a	P2p	PS	BFR92A
NPN	15	25	300	5.0	40	15	f	P2	PS	BFR92AW
NPN	15	30	280	5.0	40	14	a	GF	INF	BFR92P
NPN	15	100	500	5.0	25	50	a	R7	PS	BFR106
NPN	15	100	1000	5.5	25	70	c	FB	PS	BFQ19
NPN	15	100	1000	5.5	25	70	d	—	PS	BFG97
NPN	15	200	400	5.0	50	35	b	N38	PS	BFG590
PNP	15	35	200	5.0	20	14	a	W1	INF	BFT92
NPN	16	30	280	5.8	50	15	a	RA	INF	BFQ81
NPN	18	150	2700	4.0	25	150	e	—	PS	◆BFQ34
NPN	18	300	4500	4.0	25	240	e	—	PS	◆BFQ68
f_i up to 8GHz										
NPN	8	18	500	7.3	60	5	SOT-353	—	PS	BFC505
NPN	8	70	1000	7.0	60	20	SOT-353	—	PS	BFC520
NPN	10	50	300	8.0	60	15	b	V3	PS	BFG67
NPN	10	100	500	7.5	40	50	b	V5	PS	BFG197
NPN	12	80	400	8.0	100*	30	b	RC	INF	BFP193
NPN	15	150	1000	7.0	80	100	d	—	PS	BFG135
NPN	15	200	2000	7.0	60	70	d	—	PS	BFG591
f_i up to 10GHz										
NPN	8	18	500	9.0	60	5	SOT-353	—	PS	BFE505
NPN	8	70	1000	9.0	60	20	SOT-353	—	PS	BFE520
NPN	8	250	250	—	25	50	b	N70	PS	BFG10
NPN	8	500	400	—	25	100	b	N72	PS	BFG11
NPN	15	18	150	9.0	60	5	b	N33	PS	BFG505
NPN	15	18	150	9.0	60	5	a	N30	PS	BFR505
NPN	15	70	300	9.0	60	20	a	N28	PS	BFR520
NPN	15	70	300	9.0	60	20	f	N2	PS	BFS520
NPN	15	70	300	9.0	60	20	b	N36	PS	BFG520
NPN	15	120	500	9.0	60	40	a	N29	PS	BFR540
NPN	15	120	500	9.0	60	40	b	N37	PS	BFG540
NPN	15	120	650	9.0	60	40	d	—	PS	BFG541

◆ **Warning:** These products contain a beryllium oxide disc, the dust of which is toxic. Provided this disc is not damaged, the device is entirely safe. Safe disposal precautions must be carried out according to local regulations.

SD348 / SD348A

Order Multiple=5		Price Each			
Mfrs. List No.	Order Code	5+	25+	100+	1K+
BF550	316-2850				
BF824	305-0579				
Order Multiple=1		1+	30+	100+	1K+
BFC505	163-272				
BFC520	163-284				
BFE505	163-296				
BFE520	163-302				
BFG10	163-314				
BFG11	163-326				
BFG16A	741-565				
BFG97	741-590				
BFG135	741-619				
BFG197	741-620 †				
BFG505	163-338				
BFG520	741-656				
BFG540	741-668 †				
BFG541	163-340 †				
BFG590	163-351				
BFG591	163-363				
BFR505	163-375				
BFP193	.516-983				
BFQ17	741-670				
BFQ19	741-681				

continued

Order Multiple=1		Price Each			
Mfrs. List No.	Order Code	1+	30+	100+	1K+
BFQ34	741-693				
BFQ68	741-711				
BFQ81	516-971				
BFR92	741-723				
BFR92A	741-735				
BFR92AW	549-370				
BFR92P	.516-946				
BFR93	549-277				
BFR93A	.549-289				
BFR106	549-290				
BFR520	741-747				
BFR540	741-759				
Order Multiple=5		5+	30+	100+	1K+
BFS17	741-760				
BFS17A	741-796				
BFS17P	.516-958				
BFS17W	549-368				
BFS19	316-2862				
BFS20	663-281				
BFS25A	316-4860				
BFS520	316-4871				
Order Multiple=1		1+	30+	100+	1K+
BFT25	741-772				
BFT92	.516-960				
BFT93	.741-784				

† Available until stocks are exhausted

SOT-223, Medium Power – NPN

Philips Semiconductors



H = 1.7, W = 6.7, Dia. = 7.5

Footprint

- Designed for hand held radio equipment
- SMD package
- 470MHz and 900MHz wavebands
- Reliable, gold metalisation process



V _{CEO} max V	I _C av mA	P _{tot} W	f* MHz	V _S * Supply V	P _{LOAD} * W	G _p * min dB	η _c * min %	Mfrs. List No.
8	250	2	900	4.8	2.0	6	60	BLT70
8	500	2	900	4.8	2.0	6	60	BLT71
9.5	500	2	900	7.5	1.2	6	60	BLT81
10	500	2	470	7.5	1.2	10	55	BLT50
10	750	2	900	7.5	0.8	6	60	BLT80
16	200	2	900	12.5	1.0	7	55	BLU86

*RF performance at T_S ≤ 60°C in common-emitter Class-B test circuit

SD355

Mfrs. List No.		Price Each			
Mfrs. List No.	Order Code	1+	30+	100+	1K+
BLT50	742-065				
BLT70	.742-119				
BLT71	.742-077				
BLT80	.742-090				
BLT81	.742-120				
BLU86	.742-107				

Continued

Fixed Prices

We aim to maintain all prices in this book for the lifetime of this issue.