

FAIRCHILD TRANSISTORS

SMALL SIGNAL

**GENERAL PURPOSE AMPLIFIER AND SWITCHING TRANSISTORS
(BY ASCENDING V_{CEO}) (Cont'd)
(ALSO SEE LOW LEVEL AND HIGH VOLTAGE SECTION)**

Item	DEVICE NO. Polarity		V _{CEO} (V _{CER}) V Min	h _{FE} (h _{fe}) Min/Max	@ I _C mA	V _{CE(sat)} V Max	@ I _C mA	C _{ob} pF Max	f _T MHz Min	t _{off} ns Max	P _D		Package No.
	NPN	PNP									T _A 25°C mW	T _C 25°C W	
1	MPSA06	MPSA56	80	50/-	100	0.25	100	—	50	—	625	1.0	TO-92
2	BC538-10	BC528-10	80	63/160	100	0.50	1000	15	100	—	625	1.0	TO-92
3		2N4033	80	100/300	100	0.15	150	20	150	—	800	4.0	TO-39
4	BC538-16	BC528-16	80	100/250	100	0.50	1000	15	100	—	625	1.0	TO-92
5	BC538-25	BC528-25	80	160/400	100	0.50	1000	15	100	—	625	1.0	TO-92
6	2N4410		80	60/400	10	0.20	1.0	12	60	—	625	—	TO-92
7	2N3020		80	40/120	150	0.20	150	12	80	—	800	5.0	TO-39
8	2N1893		80	40/120	150	5.00	150	15	50	—	800	3.0	TO-39
9	PE6021		80	100/300	150	0.18	150	15	250	1000	625	1.0	TO-92
10	SE6021		80	100/300	150	0.18	150	15	250	1000	300	0.8	TO-105
11	2N3019		80	100/300	150	0.20	150	12	100	—	800	5.0	TO-39
12	2N2405		90	60/200	150	0.50	150	15	200	—	800	2.4	TO-39

LOW LEVEL, LOW NOISE AMPLIFIER TRANSISTORS (BY ASCENDING V_{CEO})

Item	DEVICE NO. Polarity		V _{CEO} V Min	h _{FE} Min/Max	@ I _C mA	h _{FE} @ I _C mA Min/Max	NF dB Max	@ f kHz	NF dB Max	@ f kHz	Package No.
	NPN	PNP									
13	2N5133		18	60/1000	1.0	—	—	—	—	—	TO-106
14	BC208		20	90 (Typ)/-	0.01	110/800	2.0	10	1.0	—	TO-106
15	BC208A		20	90 (Typ)/-	0.01	110/220	2.0	10	1.0	—	TO-106
16	BC208B	BC205B	20	150 (Typ)/-	0.01	200/450	2.0	10	1.0	—	TO-106
17	BC208C		20	270 (Typ)/-	0.01	420/800	2.0	10	1.0	—	TO-106
18	BC209		20	150 (Typ)/-	0.01	200/800	2.0	4.0	1.0	4.0 WB	TO-106
19	BC209B		20	150 (Typ)/-	0.01	200/450	2.0	4.0	1.0	4.0 WB	TO-106
20	BC209C		20	270 (Typ)/-	0.01	420/450	2.0	4.0	1.0	4.0 WB	TO-106
21	BC319	BC322	20	150 (Typ)/-	0.01	200/800	2.0	4.0	1.0	4.0 WB	TO-92
22	BC319B	BC322B	20	150 (Typ)/-	0.01	200/450	2.0	4.0	1.0	4.0 WB	TO-92
23	BC319C	BC322C	20	270 (Typ)/-	0.01	420/800	2.0	4.0	1.0	4.0 WB	TO-92
24	BC522		20	—	—	400/2000	2.0	3.0	1.0	3.0 WB	TO-92
25	BC522C		20	—	—	400/800	2.0	3.0	1.0	3.0 WB	TO-92
26	BC522D		20	—	—	750/1550	2.0	3.0	1.0	3.0 WB	TO-92