

FAIRCHILD TRANSISTORS

SMALL SIGNAL

GENERAL PURPOSE AMPLIFIER AND SWITCHING TRANSISTORS

(BY ASCENDING V_{CE0}) (Cont'd)

(ALSO SEE LOW LEVEL AND HIGH VOLTAGE SECTION)

Item	DEVICE NO. Polarity		V_{CE0} (V_{CEr}) V Min	h_{FE} (h_{fe}) Min/Max	@ I_C mA	$V_{CE(sat)}$ V @ I_C Max mA		C_{ob} pF Max	f_T MHz Min	t_{off} ns Max	P_D T_A 25°C T_C 25°C mW W		Package No.
	NPN	PNP				Max	mA						
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_{CE0})

Item	DEVICE NO. Polarity		V_{CE0} V Min	h_{FE} Min/Max	@ I_C mA	h_{FE} @ I_C mA		NF dB Max	@ f kHz	NF dB Max	@ f kHz	Package No.
	NPN	PNP				Min/Max	mA					
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