

**FAIRCHILD TRANSISTORS**

**SMALL SIGNAL**

**GENERAL PURPOSE AMPLIFIER AND SWITCHING TRANSISTORS  
(BY ASCENDING V<sub>CEO</sub>) (Cont'd)**

(ALSO SEE LOW LEVEL AND HIGH VOLTAGE SECTION)

Item	DEVICE NO. Polarity		V <sub>CEO</sub> (V <sub>CER</sub> ) V Min	h <sub>FE</sub> (h <sub>fe</sub> ) Min/Max	@ I <sub>C</sub> mA	V <sub>CE(sat)</sub> V @ I <sub>C</sub> Max mA		C <sub>ob</sub> pF Max	f <sub>T</sub> MHz Min	t <sub>off</sub> ns Max	P <sub>D</sub> T <sub>A</sub> T <sub>C</sub> 25°C 25°C mW W		Package No.
	NPN	PNP				Max	Max				Max	Max	
1	MPS2924		25	(150/300)	2.0	—	—	12	—	—	625	1.0	TO-92
2	2N4124		25	120/360	2.0	0.30	2.0	4.0	300	—	625	—	TO-92
3	MPS3393		25	90/180	2.0	—	—	3.5	—	—	625	1.0	TO-92
4	EN5172		25	100/500	10	0.25	10	12	—	—	200	0.50	TO-106
5	MPS5172		25	100/500	10	0.25	10	12	—	—	625	1.0	TO-92
6	2N5135		25	50/600	10	1.00	100	25	40	—	300	0.80	TO-105
7	2N5225	2N5226	25	30/600	50	0.80	50	20	50	—	625	—	TO-92
8	BC738	BC728	25	40/250	100	0.5	1000	45	100	—	1120	3.4	TO-92
9	BC738-6	BC728-6	25	40/100	100	0.5	1000	45	100	—	1120	3.4	TO-92
10	BC738-10	BC728-10	25	63/163	100	0.5	1000	45	100	—	1120	3.4	TO-92
11	PE8050	PE8550	25	65/200	100	0.5	1000	45	100	—	1120	3.4	TO-92
12	BC738-16	BC728-16	25	100/250	100	0.5	1000	45	100	—	1120	3.4	TO-92
13	MPS6560		25	50/200	500	0.50	500	30	60	—	625	1.0	TO-92
14		MPS6519	25	250/500	2.0	0.50	2.0	4.0	—	—	625	1.0	TO-92
15		2N4126	25	120/360	2.0	0.40	2.0	4.5	250	—	625	—	TO-92
16		PN6076	25	100/500	10	0.25	10	15	—	—	721	1.47	TO-92
17		BCY72	25	-/50	10	0.25	10	6.0	200	—	360	1.2	TO-18
18		2N3638	25	-/30	50	0.25	50	20	100	170	300	0.7	TO-105
19		MPS3702	25	60/300	50	0.25	50	12	100	—	625	1.0	TO-92
20		2N3638A	25	-/100	50	0.25	50	10	150	170	300	0.7	TO-105
21		MPS3638A	25	-/100	50	0.25	50	10	150	170	625	1.0	TO-92
22		MPS6562	25	50/200	500	0.50	500	30	60	—	625	1.0	TO-92
23	2N718		28	40/120	150	1.50	150	35	50	—	400	1.5	TO-18
24	2N4123		30	50/150	2.0	0.30	2.0	4.0	250	—	625	—	TO-92
25	2N3566		30	50/160	10	1.00	100	25	40	—	300	0.80	TO-105
26	MPS3704		30	100/300	50	0.60	50	12	100	—	625	1.0	TO-92
27	BFY51		30	40/-	150	0.35	150	12	50	—	800	2.86	TO-39
28	BC119		30	40/120	150	0.35	150	25	40	—	800	5.0	TO-39
29	2N2218		30	40/120	150	0.40	150	8.0	250	—	800	3.0	TO-39
30	2N2221		30	40/120	150	0.40	150	8.0	250	—	500	1.8	TO-18