

FAIRCHILD TRANSISTORS

POWER

POWER TRANSISTORS (BY I_{Cmax} , POLARITY AND ASCENDING V_{CE0}) (Cont'd)

Item	DEVICE NO. Polarity		V_{CE0} V Max	h_{FE} @ I_C A		$V_{CE(sat)}$ @ I_C V A		f_T MHz Min(Typ)	P_D (Max) W $T_C=25^\circ C$	Package No.
	NPN	PNP		Min/Max	Max	Max				
$I_C = 50.0$ A Max Continuous (Cont'd)										
1	2N5685	2N5683	60	15/60	25	1.0	25	2.0	300	TO-3
2	2N5686	2N5684	80	15/60	25	1.0	25	2.0	300	TO-3

POWER SWITCHING TRANSISTORS (BY I_{Cmax} , POLARITY)

Item	DEVICE NO. Polarity		V_{CE0} V Max	h_{FE} @ I_C A		Switching Times (Typ)				P_D W $T_C=25^\circ C$	Package No.
	NPN	PNP		Min/Max	A	t_{on} μs	t_s μs	t_f μs	@ I_C A		
I_C Max = 1.0 A											
3	2N3440		250	40/160	0.2	0.07	2.2	0.35	0.1	10	TO-39
4	FT47		250	30/150	0.3	0.08	1.8	0.4	1.0	40	TO-220
5	FT48		300	30/150	0.3	0.08	1.8	0.4	1.0	40	TO-220
6	FT49		350	30/150	0.3	0.08	1.8	0.4	1.0	40	TO-220
7	FT50		400	30/150	0.3	0.08	1.8	0.4	1.0	40	TO-220
I_C Max = 3.0 A											
8	2N5839		275	10/50	2.0	0.45	3.0	0.3	2.0	100	TO-3
9	2N5840		350	10/50	2.0	0.45	3.0	0.3	2.0	100	TO-3
I_C Max = 10 A											
10	2N3716		80	50/150	1.0	0.4	.8	0.4	5.0	150	TO-3
11	FT430		300	115/45	2.5	0.5	2.6	0.3	2.5	125	TO-3
12	FT431		325	15/35	2.5	0.5	2.6	0.3	2.5	125	TO-3
13	2N6249		200	10/50	10	0.5	1.0	0.4	10	175	TO-3
14	2N6250		275	8/50	10	0.5	1.0	0.4	10	175	TO-3
15	2N6251		350	6/50	10	0.5	1.0	0.4	10	175	TO-3
16	FT3055	FT2955	60	20/70	4.0	.65/.35	.5/.25	.4/.15	10	70	TO-220
17	2N6386*		40	1K/20K	3.0	0.8	4.0	5.0	3.0	40	TO-220
18	2N6387*		60	1K/20K	5.0	0.8	3.5	5.0	5.0	40	TO-220
19	2N6388*		80	1K/20K	5.0	0.8	3.5	5.0	5.0	40	TO-220

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POWER TRANSISTORS (BY I_{Cmax} , POLARITY AND ASCENDING V_{CE0}) (Cont'd)

Item	DEVICE NO. Polarity		V_{CE0} V Max	h_{FE} @ I_C A Min/Max	$V_{CE(sat)}$ V Max	@ I_C A	f_T MHz Min(Typ)	$P_{D(Max)}$ W $T_C=25^\circ C$	Package No.
	NPN	PNP							
$I_C = 10.0$ A Max Continuous (Cont'd)									
1	SE9304*	SE9404*	80	1K/- 4.0	2.0	4.0	1.0	100	TO-3
2	SE9301*	SE9401*	80	1K/- 4.0	2.0	4.0	1.0	70	TO-220
3	2N6385*		80	1K/20K 5.0	2.0	5.0	20	100	TO-3
4	MJ2501	MJ3001	80	1000/- 5.0	2.0	10		150	TO-3
5	SE9302*	SE9402*	100	1K/- 4.0	2.0	1.0		70	TO-220
6	SE9305*	SE9405*	100	1K/- 4.0	2.0	40	1.0	100	TO-3
7	2N6249		200	10/50 10	1.5	10	2.5	100	TO-3
8	2N6250		275	8/50 10	1.5	10	2.5	100	TO-3
9	FT430		300	15/45 2.5	0.9	2.5	--	125	TO-3
10	FT160		300	55/- 4.0	1.9	5.0	--	70	TO-220
11	FT431		325	15/35 2.5	0.7	2.5	--	125	TO-3
12	FT161		330	55/- 4.0	1.9	5.0	--	70	TO-220
13	FT162		350	55/- 4.0	1.9	5.0	--	70	TO-220
14	FT359*		350	250/- 3.0	2.8	7.0	--	125	TO-3
15	2N6251		350	6/50 10	1.5	10	2.5	100	TO-3
$I_C = 12.0$ A Max Continuous									
16	2N6569		40	15/200 0.2	1.5	4.0	1.5	100	TO-3
17	2N6057*	2N6050*	60	750/18K 6.0	2.0	6.0	4.0	150	TO-3
18	2N5881	2N5879	60	20/100 6.0	1.0	7.0	4.0	160	TO-3
19	2N5882	2N5880	80	20/100 6.0	1.0	7.0	4.0	160	TO-3
20	2N6058*	2N6051*	80	750/18K 6.0	2.0	6.0	4.0	150	TO-3
21	2N6059*	2N6052*	100	750/18K 6.0	2.0	6.0	4.0	150	TO-3
$I_C = 15.0$ A Max Continuous									
22	2N6486	2N6489	40	20/150 5.0	1.3	5.0	5.0	75	TO-220
23	MJ2955		60	20/70 4.0	1.1	4.0	4.0	150	TO-3
24	2N6576*		60	2K/20K 4.0	4.0	15	10	120	TO-3
25	2N3055SD		60	20/70 4.0	1.1	4.0	0.8	115	TO-3
26	FT3055	FT2955	60	20/70 4.0	1.1	4.0	2.0	70	TO-220
27	2N3055		60	20/70 4.0	1.1	4.0	--	117	TO-3
28	2N6487	2N6490	60	20/150 5.0	1.3	5.0	5.0	75	TO-220

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