

5. SILICON NPN - LOW POWER TRANSISTORS

IN ORDER OF (1) MAX COLLECTOR DISSIPATION
(2) fab & (3) TYPE No.

LINE No.	TYPE No.	1 MAX. COLL. DISS. @ 25°C (W)	2 fab (Hz)	DERATE IN FREE AIR W/°C	3 M A M P	4 BVcbo (V)	5 BVceo (V)	6 BVebo (V)	7 Ic (A)	8 MAX. icbo @ MAX Vcb (A)	9 Vcb (V)	10 le (A)	11 hfe	12 COMMON EMITTER hoe (mhos)	13 hie (Ω)	14 hre	15 Cob (F)	16 STRUC-TURE	17 DWG Y200 s/a TO200 Ser.	18 # L E O A D E		
1	2N2976*	250m	60MΔ	1.4m	ΔJ	45	45	6.0	30m	10n	5.0	10u	60 Δ	1.0uΔ	32 Δ	X.0001	6.0pΔ	*	TO71	PM		
2	2N2977*	250m	60MΔ	1.4m	ΔJ	45	45	6.0	30m	10n	5.0	10u	150 Δ	1.0uΔ	32 Δ		6.0pΔ	*	TO71	PM		
3	2N2978*	250m	60MΔ	1.4m	ΔJ	60	60	6.0	30m	2.0n	5.0	10u	60 Δ	1.0uΔ	32 Δ		6.0pΔ	*	TO71	PM		
4	2N2979*	250m	60MΔ	1.4m	ΔJ	60	60	6.0	30m	2.0n	5.0	10u	150 Δ	1.0uΔ	32 Δ		6.0pΔ	*	TO71	PM		
5	2N2980*	250m	60MΔ	1.4m	ΔJ	100	60	7.0	500m	2.0n	5.0	1.0m	50 Δ	1.0uΔ	5.0kΔ		15pΔ	*	TO71	PM		
6	2N3793	250m	100MΔ	2.5m	ΔS	40	20	5.0	500m	5.0u	10u	1.0m	10 Δ				10pΔ		X149			
7	2SC536NP	250m	100MΔ	2.5m	ΔJ	40	30	5.0	100m	1.0u	6.0	1.0m	320 Δ				3.5p	PL	TO92	B		
8	2SC900	250m	100MΔ	2.5m	ΔJ	40	35	5.0	100m	50n	6.0	1.0m	500 *	36u	13k	15	3.5p	E	R182b	B		
9	2SC923	250m	100MΔ	2.5m	ΔJ	40	35	5.0	100m	50n	6.0	1.0m	500 *	30u	11k	12	3.5p	E	R182b	B		
10	2SC1842	250m	100MΔ	2.5m	ΔJ	40	35	5.0	100m	50n	6.0	100m	580 Δ				3.0p		TO92	B		
11	2SC1843	250m	100MΔ	2.5m	ΔJ	60	50	5.0	100m	50n	6.0	100m	370 Δ				3.0p		TO92	B		
12	BC330	250m	100MΔ	2.5m	ΔJ	45	45	5.0	30m	100n	5.0	2.0m	220 Δ				3.0p		TO92	F		
13	BC332	250m	100MΔ	2.5m	ΔJ	45	45	5.0	30m	100n	5.0	2.0m	100 Δ				3.0p		TO92	F		
14	FPC900	250m	100MΔ	2.5m	ΔJ	40	35	5.0	100m	50n	3.0	100m	500 Δ				5.0p	PE	TO92	B		
15	2SC403C	250m	112MΔ	3.3m	ΔJ	60	60	4.0	100m	200n	3.0	1.0m	41 Δ				200p	ME	X153	B		
16	2SC631A	250m	112MΔ	3.3m	ΔJ	25	25	6.0	200m	200n	3.0	1.0m	129 Δ				7.0p	ME	X153	B		
17	2SC632A	250m	112MΔ	3.3m	ΔJ	50	50	6.0	200m	200n	3.0	1.0m	129 Δ				7.0p	ME	X153	B		
18	2SC633A	250m	112MΔ	3.3m	ΔJ	25	25	6.0	200m	200n	3.0	1.0m	82 Δ				7.0p	ME	X153	B		
19	2SC634A	250m	112MΔ	3.3m	ΔJ	50	50	6.0	200m	200n	3.0	1.0m	82 Δ				7.0p	ME	X153	B		
20	2SC926A	250m	112MΔ	3.3m	ΔJ	210	210	5.0	30m	200n	3.0	1.0m	30 Δ				2.2p	ME	X153	B		
21	2SC1361	250m	140MΔ	3.3m	ΔJ	25	25	6.0	200m	200n	3.0	1.0m	129 Δ				4.5p	ME	TO92	B		
22	2SC1362	250m	140MΔ	3.3m	ΔJ	50	50	6.0	200m	200n	3.0	1.0m	129 Δ				4.5p	ME	TO92	B		
23	2SC1363	250m	140MΔ	3.3m	ΔJ	25	25	6.0	200m	200n	3.0	1.0m	82 Δ				4.5p	ME	TO92	B		
24	2SC1364	250m	140MΔ	3.3m	ΔJ	50	50	6.0	200m	200n	3.0	1.0m	82 Δ				4.5p	ME	TO92	B		
25	2SC368	250m	150MΔ	1.7m	ΔJ	25	25	5.0	100m	100n	1.0	1.0m	250 Δ				1.5p	PE	TO18			
26	2SC829	250m	150MΔ	2.5m	ΔJ	30	20	5.0	30m	100n	1.0	1.0m	40 Δ				1.3p	PE	TO92	B		
27	2SC938	250m	150MΔ	2.5m	ΔJ	60	60	5.0	200m	100n	1.0	1.0m	80 Δ				4.5p	EA	TO92	B		
28	2SC1278S	250m	150MΔ	2.5m	ΔJ	150	130	5.0	50m	100n	3.0	1.0m	100 Δ				4.5p	EA	TO92	B		
29	2SC1279S	250m	150MΔ	2.5m	ΔJ	180	160	5.0	50m	100n	3.0	1.0m	90 Δ				4.5p	EA	TO92	B		
30	2SC1684	250m	150MΔ	2.2m	ΔJ	30	25	7.0	100m	100n	1.0	1.0m	650 Δ				3.5p	PE	TO92	B		
31	2SC1685	250m	150MΔ	2.2m	ΔJ	60	50	7.0	100m	100n	1.0	1.0m	650 Δ				3.5p	PE	TO92	B		
32	2SD603	250m	150MΔ	2.5m	ΔJ	30	30	5.0	100m	100n	1.0	1.0m	90 Δ				3.5p	PE	S8b	B		
33	2SD889	250m	150MΔ	2.5m	ΔJ	30	25	15	100m	100n	1.0	1.0m	650 Δ				3.0p	PE	TO92	B		
34	2SD890	250m	150MΔ	2.5m	ΔJ	100	100	15	20m	100n	1.0	1.0m	650 Δ				3.0p	PE	TO92	B		
35	6003	250m	150MΔ	2.5m	ΔJ	25	25	4.0	500m	50n	5.0	5.0m	30 Δ				12p	PE	TO106			
36	FP50101	250m	150MΔ	2.5m	ΔJ	25	20	5.0	50m	50n	5.0	1.0m	1.1kΔ				5.0p	PE	TO92	B		
37	FP50401	250m	150MΔ	2.5m	ΔJ	30	20	5.0	100m	50n	5.0	1.0m	440 Δ				5.0p	PE	TO92	A		
38	K917	250m	150MΔ	2.5m	ΔJ	20	20	5.0	50m	50n	5.0	1.0m	29 Δ				2.5p	PE	TO92	A		
39	NPC069	250m	150MΔ	2.5m	ΔS	50	40	5.0	100m	100n	6.0	1.0m	40 Δ				6.0p	PE	TO92	A		
40	NPC069-98	250m	150MΔ	2.5m	ΔS	50	40	5.0	100m	100n	6.0	1.0m	40 Δ				12p	PE	TO92	A		
41	2N957	250m	200MΔ	2.0m	ΔJ	40	20	5.0	50m	100n	5.0	1.0m	45 Δ				6p	PE	TO18	A		
42	2N30521	250m	200MΔ	1.6m	ΔS	35	15	5.0	200m	25n	1.0	1.0m	25 Δ				8.0p	*	TO89	PB		
43	2N3825	250m	200MΔ	2.5m	ΔS	30	15	4.0	100m	100n	1.0	2.0m	20 Δ				3.5p	PE	TO92	B		
44	2SC123	250m	200MΔ	1.7m	ΔJ	40	25	1.0	25m	100n	1.0	1.0m	140				4.0p	PE	TO39			
45	2SC395A1	250m	200MΔ	2.0m	ΔJ	20	12	5.0	400m	100n	1.0	1.0m	60				4.0p	PE	TO18	A		
46	2SC7141	250m	200MΔ	2.5m	ΔJ	70	40	5.0	200m	100n	6.0	1.0m	80 Δ				7.0p	PE	TO92	B		
47	2SC815	250m	200MΔ	2.5m	ΔJ	60	45	5.0	200m	100n	1.0	1.0m	80 Δ				5.5p	PE	R182b	B		
48	2SC9441	250m	200MΔ	2.5m	ΔJ	60	40	8.0	100m	100n	1.0	2.0m	60 Δ				3.0p	PE	TO92	B		
49	2SC963	250m	200MΔ	1.6m	ΔJ	35	25	4.0	50m	200n	6.0	1.0m	100			50	2.0p	PE	R213	A		
50	2SC2009	250m	200MΔ	2.5m	ΔJ	35	35	3.0	100m	200n	3.0	1.0m	137 Δ				1.4p	PE	R196f	A		
51	BF195C	250m	200MΔ	2.5m	ΔJ	30	20	5.0	30m	100n	1.0	1.0m	70 Δ				950ft	S1	C			
52	BF195D	250m	200MΔ	2.5m	ΔJ	30	20	5.0	30m	100n	1.0	1.0m	30 Δ				950ft	S1	C			
53	PD1001	250m	200MΔ	2.5m	ΔJ	45	45	4.0	200n	5.0	5.0	2.0m	30 Δ				3.5p	PL	R110c	A		
54	PD1002	250m	200MΔ	2.5m	ΔJ	45	45	4.0	200n	5.0	5.0	2.0m	135 Δ				3.5p	PL	R110c	A		
55	PE1003	250m	200MΔ	2.5m	ΔJ	35	35	4.0	200n	5.0	5.0	2.0m	30 Δ				3.0p	PE	R110c	A		
56	PE1007A	250m	200MΔ	2.5m	ΔJ	50	50	4.0	200n	5.0	5.0	2.0m	120 Δ				3.0p	PE	R110c	A		
57	PE1008A	250m	200MΔ	2.5m	ΔJ	35	35	4.0	200n	5.0	5.0	2.0m	120 Δ				3.0p	PE	R110c	A		
58	PE1008B	250m	200MΔ	2.5m	ΔJ	35	35	4.0	200n	5.0	5.0	2.0m	200 Δ				3.0p	PE	R110c	A		
59	PE1008C	250m	200MΔ	2.5m	ΔJ	35	35	4.0	200n	5.0	5.0	2.0m	420 Δ				3.0p	PE	R110c	A		
60	FPC828	250m	220MΔ	2.5m	ΔJ	30	25	5.0	100m	100n	1.0	2.0m	700 Δ				3.0p	PE	TO92	B		
61	FPC828A	250m	220MΔ	2.5m	ΔJ	45	45	5.0	100m	100n	1.0	2.0m	700 Δ				1.3p	PE	TO92	B		
62	2SC2519	250m	230MΔ	2.5m	ΔJ	30	20	5.0	30m	100n	1.0	1.0m	500 Δ				1.3p	PE	B37	D		
63	2SC2647	250m	230MΔ	2.3m	ΔJ	30	20	5.0	30m	100n	1.0	1.0m	500 Δ				1.6p	PE	TO92	B		
64	FPC829	250m	230MΔ	2.5m	ΔJ	30	20	5.0	30m	100n	1.0	1.0m	500 Δ				4.0p	PE	TO18			
65	2SC105	250m	250MΔ	1.7m	ΔJ	30	30	5.0	80m	5n	1.0	1.0m	60 Δ				3.0p	PE	TO18			
66	2SC323	250m	250MΔ	1.7m	ΔJ	40	20	5.0	100m	100n	1.0	1.0m	90 Δ				7.0p	PE	TO92	D		
67	2SC6191	250m	250MΔ	2.5m	ΔJ	30	25	5.0	200m	100n	6.0	1.0m	110 Δ				7.0p	PE	TO92	D		
68	2SC620	250m	250MΔ	2.5m	ΔJ	50	30	5.0	200m	100n	6.0	1.0m	90 Δ				7.0p	PE	TO92	D		
69	2SC773	250m	250MΔ	2.5m	ΔJ	50	30	5.0	200m	100n	6.0	1.0m	35 Δ				7.0p	PE	TO92	D		
70	2SC838	250m	250MΔ	2.5m	ΔJ	50	25	5.0	30m	200n	3.0	500u	75 Δ				1.8p	PE	TO92	B		
71	2SC839	250m	250MΔ	2.5m	ΔJ	50	25	5.0	50m	100n	3.0	500u	100 Δ				2.0p	PE	R182b	B		
72	2SC944S1	250m	250MΔ	2.5m	ΔJ	60	40	8.0	100m	100n	1.0	2.0m	180 Δ				2.2p	PE	TO92	B		
73	2SC945	250m	250MΔ	2.5m	ΔJ	60	50	5.0	100m	100n	6.0	1.0m	200 *			18u	6.0k	6.0	3.5p	PE	R182b	B