

# 4. SILICON PNP - 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 DERATE IN AIR W/°C	M E M A P	T ABS MAX RATINGS @ 25°C			MAX. l c b o @ MAX V c b	TYPICAL 'h' PARAMETERS			COMMON EMITTER			C o b (F)	STRUC TURE	DWG # Y200 s/a TO200 Ser.	L C O A D E	
					V	V	V		V c b	h f e	h o e (mhos)	h i e (Ω)	h r e X.0001						
1	2N36711	600m	200MΔ	3.4m	SS	60	50	5.0	600m	10n	100	10m	55	Δ		9p	TO5	A	
2#	2SA730	600m	200M	6.0m	ΔJ	30	25	5.0	500m	100n	100	500m	90	↑	6.0p	PE	R209	B	
3#	2SA731	600m	200M	6.0m	ΔJ	30	25	5.0	500m	100n	100	500m	90	↑	6.0p	PE	R209	B	
4#	2S8621	600m	200M	5.4m	ΔJ	30	25	5.0	1.5	100n	100	500m	60	Δ	20p	PL	TO92	B	
5	PN2906	600m	200M	4.8m	ΔJ	60	40	5.0	600m	20n	100	1.0m	25	Δ	8.0p	PL	TO92	A	
4#	PN2906A	600m	200M	4.8m	ΔJ	60	60	5.0	600m	10n	100	1.0m	40	Δ	8.0p	PL	TO92	A	
7	PN2907	600m	200M	4.8m	ΔJ	60	60	5.0	600m	20n	100	1.0m	50	Δ	8.0p	PL	TO92	A	
8	PN2907A	600m	200M	4.8m	ΔJ	60	60	5.0	600m	10n	100	1.0m	100	Δ	8.0p	PL	TO92	A	
9	PN3644	600m	200MΔ	4.8m	ΔJ	45	45	5.0	500m	35n	100	1.0m	80	Δ	8.0p	PL	TO92	A	
10	PN3645	600m	200MΔ	4.8m	ΔJ	60	60	5.0	500m	35n	100	1.0m	80	Δ	8.0p	PL	TO92	A	
11	MD982	600m	320M	3.4m	ΔJ	60	50	5.0	600m	20n	100	150m	60	↑	5.8p	AN	TO99	PA	
12	MD7001*	600m	320M	3.4m	ΔJ	50	30	5.0	600m	100n	100	1.0m	50	↑#	5.8p	AN	TO99	PA	
13	PN4916	600m	400MΔ	4.8m	ΔJ	30	30	5.0	100m	25n	1.0	1.0m	60	Δ	4.5p	PL	TO92	A	
14	PN4917	600m	450MΔ	4.8m	ΔJ	30	30	5.0	100m	25n	1.0	1.0m	150	Δ	4.5p	PL	TO92	A	
15	PN3639	600m	500MΔ	4.8m	ΔJ	6.0	6.0	4.0	80m	10n	1.0	50m	20	Δ	3.5p	PL	TO92	A	
16	PN3640	600m	500MΔ	4.8m	ΔJ	12	12	4.0	80m	10n	1.0	50m	20	Δ	3.5p	PL	TO92	A	
17	PN4258	600m	700MΔ	4.8m	ΔJ	12	12	4.5	50m	10n	3.0	10m	30	Δ	3.0p	PL	TO92	A	
18	PN4258A	600m	700MΔ	4.8m	ΔJ	12	12	4.5	50m	10n	3.0	10m	30	Δ	3.0p	PL	TO92	A	
19	PN5910	600m	700MΔ	4.8m	ΔJ	20	20	4.5	50m	10n	5.0	1.0m	15	Δ	3.0p	PL	TO92	A	
20#	BCW92	610m	135MΔ	4.3m	ΔJ	50	40	5.0	800m	30n	2.0	150m	100	Δ	15p	PE	R203a	A	
21#	BCW92Z	610m	135MΔ	4.3m	ΔJ	60	60	5.0	800m	30n	2.0	150m	100	Δ*	15p	PE	R203a	A	
22	BCW92A	610m	135MΔ	4.8m	ΔJ	50	40	5.0	800m	30n	2.0	2.0m	60	Δ	10p	PEΔ	R203a	A	
23	BCW92B	610m	135MΔ	4.8m	ΔJ	50	40	5.0	800m	30n	2.0	2.0m	80	Δ	10p	PEΔ	R203a	A	
24	BCW92KA	610m	135MΔ	4.8m	ΔJ	50	40	5.0	800m	30n	2.0	2.0m	60	Δ	10p	PEΔ	R203a	A	
25	BCW92KB	610m	135MΔ	4.8m	ΔJ	50	40	5.0	800m	30n	2.0	2.0m	80	Δ	10p	PEΔ	R203a	A	
26#	BCW93	610m	135MΔ	4.3m	ΔJ	70	60	5.0	800m	30n	2.0	140m	100	Δ	15p	PE	R203a	A	
27#	BCW93Z	610m	135MΔ	4.3m	ΔJ	60	60	5.0	800m	30n	2.0	150m	100	Δ*	10p	PE	R203a	A	
28	BCW93A	610m	135MΔ	4.8m	ΔJ	70	60	5.0	800m	30n	2.0	2.0m	60	Δ	10p	PEΔ	R203a	A	
29	BCW93B	610m	135MΔ	4.8m	ΔJ	70	60	5.0	800m	30n	2.0	2.0m	80	Δ	10p	PEΔ	R203a	A	
30	BCW93KA	610m	135MΔ	4.8m	ΔJ	70	60	5.0	800m	30n	2.0	2.0m	60	Δ	10p	PEΔ	R203a	A	
31	BCW93KB	610m	135MΔ	4.8m	ΔJ	70	60	5.0	800m	30n	2.0	2.0m	80	Δ	10p	PEΔ	R203a	A	
32#	2SA923-11	625m	5.0m	5.0m	ΔJ	200	150	5.0	200m	200n	5.0	3.0m	150	↑*	3.5p	PE	R179e	A	
33#	2SA923-21	625m	5.0m	5.0m	ΔJ	200	175	5.0	200m	200n	5.0	3.0m	150	↑*	3.5p	PE	R179e	A	
34#	2SA993	625m	5.0m	5.0m	ΔJ	50	50	5.0	500m	100n	3.0	150m	100	Δ	E	TO92	A		
35	A8T4058	625m	5.0m	5.0m	SS	30	30	6.0	30m	100n	5.0	1.0m	45	Δ	PE	TO92	A		
36	A8T4059	625m	5.0m	5.0m	SS	30	30	6.0	30m	100n	5.0	1.0m	45	Δ	PE	TO92	A		
37	A8T4060	625m	5.0m	5.0m	SS	30	30	6.0	30m	100n	5.0	1.0m	90	Δ	PE	TO92	A		
38	A8T4061	625m	5.0m	5.0m	SS	30	30	6.0	30m	100n	5.0	1.0m	180	Δ	PE	TO92	A		
39	A8T4062	625m	5.0m	5.0m	SS	30	30	6.0	30m	100n	5.0	1.0m	100	Δ#	PE	TO92	B		
40#	BC231A	625m	5.0m	5.0m	SS	40	30	5.0	400m	100n	5.0	50m	200	Δ#	PE	TO92	B		
41#	BC231B	625m	5.0m	5.0m	SS	40	30	5.0	400m	100n	5.0	50m	200	Δ#	PE	TO92	B		
42	BC327-10	625m	5.4m	5.0m	ΔJ	45	45	5.0	800m	100n	1.0	100m	63	Δ	PE	TO92	F		
43	BC328-10	625m	5.4m	5.0m	ΔJ	40	30	5.0	800m	100n	1.0	100m	63	Δ	PE	TO92	F		
44#	BC381	625m	5.0m	5.0m	SS	40	25	5.0	200m	100n	5.0	2.5m	60	Δ#	PE	X55c	A		
45#	BF397	625m	5.0m	5.0m	SS	90	90	6.0	100m	50n	100	100m	20	Δ	PE	R203c	A		
46#	BF397Z	625m	5.0m	5.0m	SS	150	150	6.0	100m	50n	100	100m	40	Δ	PE	TO92	F		
47#	BF398	625m	5.0m	5.0m	SS	150	150	6.0	100m	50n	100	100m	25	Δ	PE	R203c	A		
48#	BF398Z	625m	5.0m	5.0m	SS	150	150	6.0	100m	50n	100	100m	30	Δ	PE	TO92	F		
49#	JE9012D	625m	5.0m	5.0m	ΔJ	40	20	5.0	500m	200n	1.0	50m	64	Δ*	↑	TO92	A		
50#	JE9012E	625m	5.0m	5.0m	ΔJ	40	20	5.0	500m	200n	1.0	50m	78	Δ*	↑	TO92	A		
51#	JE9012F	625m	5.0m	5.0m	ΔJ	40	20	5.0	500m	200n	1.0	50m	96	Δ*	↑	TO92	A		
52#	JE9012G	625m	5.0m	5.0m	ΔJ	40	20	5.0	500m	200n	1.0	50m	118	Δ*	↑	TO92	A		
53	JE9012H	625m	5.0m	5.0m	ΔJ	40	20	5.0	500m	200n	1.0	50m	144	Δ*	↑	TO92	A		
54	JE9015	625m				50	45	6.0	100m	50n	100	100m	200	↑	25u	20k	6.0	6.0	
55	MPS9466	625m				50	45	6.0	100m	50n	100	100m	200	↑	25u	20k	6.0	6.0	
56#	MPS9484	625m				50	45	6.0	100m	50n	100	100m	200	↑	25u	20k	6.0	6.0	
57	PN6076	625m				50	45	6.0	100m	50n	100	100m	200	↑	25u	20k	6.0	6.0	
58	TIS91	625m	5.0m	5.0m	SS	40	40	5.0	400m	100n	2.0	50m	100	Δ	13p	PEΔ	TO92	A	
59	TIS93	625m	5.0m	5.0m	SS	40	40	5.0	400m	100n	2.0	50m	160	Δ	PE	TO92	B		
60	A5T404	625m	4.0MΔ	5.0m	SS	25	24	12	150m	100n	150	12m	30	Δ	20p	PE	R203	A	
61	A5T404A	625m	4.0MΔ	5.0m	SS	40	35	25	150m	100n	150	12m	30	Δ	20p	PE	R203	A	
62	A8T404	625m	4.0MΔ	5.0m	SS	25	24	12	150m	100n	150	12m	30	Δ	20p	PE	TO92	A	
63	A8T404A	625m	4.0MΔ	5.0m	SS	40	35	25	150m	100n	150	12m	30	Δ	20p	PE	TO92	A	
64	A5T2604	625m	3.0MΔ	5.0m	SS	60	45	6.0	30m	10n	5.0	1.0m	60	Δ	1.0u	35	b	10	b
65	A5T2605	625m	3.0MΔ	5.0m	SS	60	45	6.0	30m	10n	5.0	1.0m	150	Δ	1.0u	35	b	10	b
66#	BF692	625m	3.0MΔ	5.0m	SS	300	300	5.0	500m	100n	100	30m	25	Δ	6.0p	PE	TO92	A	
67#	BF693	625m	3.0MΔ	5.0m	SS	200	200	5.0	500m	100n	100	30m	30	Δ	8.0p	PE	TO92	A	
68	MPS4888	625m	3.0MΔ	5.0m	ΔJ	150	150	6.0	100m	50n	100	1.0m	1.5	Δ	40u	20k	4.0p	TO92	A
69	MPS5138	625m	3.0MΔ	5.0m	ΔJ	30	30	5.0	100m	50n	5.0	500m	1.5	Δ	7.0p	PE	TO92	A	
70#	MPS151	625m	3.0MΔ	5.0m	ΔJ														