

# 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 fab (Hz)	DERATE IN FREE AIR W/°C	M E M P	ABS MAX RATINGS @25°C				MAX. I <sub>cb</sub> @MAX V <sub>cb</sub> (A)	TYPICAL 'h' PARAMETERS							Cob (F)	STRUC-TURE	DWG # Y200 s/a TO200 Ser.	# L E O D E
						V <sub>cb</sub> (V)	V <sub>ceo</sub> (V)	V <sub>beo</sub> (V)	I <sub>c</sub> (A)		V <sub>cb</sub> (V)	I <sub>e</sub> (A)	h <sub>fe</sub>	COMMON EMITTER							
											h <sub>ie</sub> (ohms)	h <sub>re</sub> (Ω)	X.0001								
1	TP2907	400m	200M			80	40	5.0	500m	20n	100	150m	100	1	12p			T092	A		
2	TP2907A	400m	200M			60	60	5.0	500m	10n	100	150m	100	1	12p			T092	A		
3	TP31351	400m	200M			50	35	4.0	500m	50n	100	150m	40	1	8.0p			T092	A		
4	GES6001	400m	225MΔ	4.0m	Δ	35	25	5.0	500m	10n	1.00	10m	100	1	100Ω	17k	10	8.0p	PE	T092	A
5	GES6005	400m	225MΔ	4.0m	Δ	50	40	5.0	500m	10n	1.00	10m	100	1	60Ω	17k	12	8.0p	PE	T092	A
6	GES6003	400m	240MΔ	4.0m	Δ	35	25	5.0	500m	10n	1.00	10m	200	1	150Ω	25k	20	8.0p	PE	T092	A
7	GES6007	400m	240MΔ	4.0m	Δ	50	40	5.0	500m	10n	1.00	10m	200	1	150Ω	25k	24	8.0p	PE	T092	A
8#	BF249	400m	250MΔ	2.7m	Δ	30	25	3.0	600m		10	10m	30	1				8.0p	PE	T018	A
9	HSE223-RT	400m	250MΔ	3.2m	Δ	30	30	4.0		200n	100	150m	60	1				8.0p	PE	T018	A
10#	SF103	400m	250MΔ			30	24	5.0	250m	1.0u	5.00	150m	40	1				8.0p		T018	A
11	TP31361	400m	300M			50	35	4.0	50m		100	150m	100	1				8.0p		T092	A
12#	V7631	400m	300M								1.00	50m	100	1				6.0p	PL	T018	A
13	2N6001T	400m	700MΔ	4.0m	Δ	35	25	5.0	500m	10n	100	1.0m	85	1	100Ω	12k		8.0p		R203a	A
14	2N6005T	400m	700MΔ	4.0m	Δ	50	40	5.0	500m	10n	100	1.0m	85	1	100Ω	12k		8.0p		R203a	A
15	2N6003T	400m	800MΔ	4.0m	Δ	35	25	5.0	500m	10n	100	1.0m	235	1	150Ω	17k		8.0p		R203a	A
16	2N6007T	400m	800MΔ	4.0m	Δ	50	40	5.0	500m	10n	100	1.0m	235	1	150Ω	17k		8.0p		R203a	A
17#	2CY38	410m	1.5M	3.3m	Δ	32	32	12	500m	20u	6.00	10m	15	1					A	T05	A
18#	2CY39	410m	1.5M	3.3m	Δ	64	64	12	500m	20u	6.00	10m	15	1					A	T05	A
19#	BCY38	410m	1.5M	3.3m	Δ	32	32	12	250m	100n	6.00	10m	27	1					A	T05	A
20#	BCY39	410m	1.5M	3.3m	Δ	64	64	12	250m	100n	6.00	10m	35	1					A	T05	A
21#	BCY54	410m	2.0M	3.3m	Δ	50	50	12	250m	100n	6.00	10m	50	1					A	T05	A
22#	BCY40	410m	2.5M	3.3m	Δ	32	32	12	250m	100n	6.00	10m	50	1					A	T05	A
23	2N2393	450m	5.0MΔ	3.0m	Δ	50	35	5.0	300m	1.0u	5.00	1.0m	15	1	1.0u	35	8.0	45p	PL	W4	A
24	2N2394	450m	6.0MΔ	3.0m	Δ	50	35	5.0	300m	1.0u	5.00	1.0m	25	1	1.0u	35	8.0	45p	PL	W4	A
25#	BCW75	450m	100MΔ			32	45	800m			1.00	100m	63	1				18p		T018	A
26#	BCW76	450m	100MΔ			45	45	800m			1.00	100m	63	1				18p		T018	A
27#	BCX23	450m	100M	2.5m	Δ	125	5.0	800m			1.00	100m	63	1				12p	PE	R179z	A
28#	BCX39	450m	100M	2.5m	Δ	100	7.0	800m	100n		5.00	2.0m	120	1				4.5p	PE	T018	A
29#	BCX78	450m	100MΔ			32	45	100m			5.00	2.0m	120	1				4.5p		T092	F
30#	BCX79	450m	100MΔ			45	45	100m			5.00	2.0m	120	1				4.5p		T092	F
31#	BCX94	450m	100M	2.6m	Δ	100	5.0	800m	100n	1.00	100m	63	1				12p	PE	T078	A	
32#	BCX78IXt	450m	200M	3.5m	Δ	32	5.0	100m	10n	5.00	2.0m	250	1				4.5p	PE	R204d	A	
33#	BCX78VIIIt	450m	200M	3.5m	Δ	32	5.0	100m	10n	5.00	2.0m	120	1				4.5p	PE	R204d	A	
34#	BCX78VIIIIt	450m	200M	3.5m	Δ	32	5.0	100m	10n	5.00	2.0m	180	1				4.5p	PE	R204d	A	
35#	BCX78Xt	450m	200M	3.5m	Δ	32	5.0	100m	10n	5.00	2.0m	380	1				4.5p	PE	R204d	A	
36#	BCX79IXt	450m	200M	3.5m	Δ	45	5.0	100m	10n	5.00	2.0m	250	1				4.5p	PE	R204d	A	
37#	BCX79VIIIt	450m	200M	3.5m	Δ	45	5.0	100m	10n	5.00	2.0m	120	1				4.5p	PE	R204d	A	
38#	BCX79VIIIIt	450m	200M	3.5m	Δ	45	5.0	100m	10n	5.00	2.0m	180	1				4.5p	PE	R204d	A	
39#	BCX79Xt	450m	200M	3.5m	Δ	45	5.0	100m	10n	5.00	2.0m	380	1				4.5p	PE	R204d	A	
40#	2SA761	475m	80M	5.0m	Δ	110	110	5.0	2.0	100u	2.00	400m	50	1				55p	E	T05	A
41	2N3764At	500m	2.8m	5.0	Δ	50	5.0	1.5	100u	1.50	1.0	20	1				15p		T046	A	
42	2N5811	500m	4.5m	1.1	Δ	35	25	5.0	750m	100n	2.00	2.0m	60	1				15p		R203a	A
43	2N5813	500m	4.5m	1.1	Δ	35	25	5.0	750m	100n	2.00	2.0m	150	1				15p		R203a	A
44	2N5815	500m	4.5m	1.1	Δ	50	40	5.0	750m	100n	2.00	2.0m	60	1				15p		R203a	A
45	2N5817	500m	4.5m	1.1	Δ	50	40	5.0	750m	100n	2.00	2.0m	100	1				15p		R203a	A
46	2N5819	500m	4.5m	1.1	Δ	50	40	5.0	750m	100n	2.00	2.0m	150	1				15p		R203a	A
47	2N5821	500m	4.5m	1.1	Δ	70	60	5.0	750m	100n	2.00	2.0m	60	1				15p		R203a	A
48	2N5823	500m	4.5m	1.1	Δ	70	60	5.0	750m	100n	2.00	2.0m	100	1				15p		R203a	A
49#	2SA643	500m	2.5m	4.0	Δ	40	20	5.0	500m	200n	1.00	100m	120	1					E	R205a	B
50#	BFW31	500m				70m					100	100m	70	1				12p		T018	A
51#	BFX30	500m				65	65	5.0	600m	0.7u	4.00	10m	50	1				12p	PE	T05	A
52#	MPS3644Kt	500m	3.3m	4.5	Δ	45	45	5.0	500m	35n	100	10m	100	1	80u	480	1.6	4.5p	PL	X167	A
53#	MPS3644Lt	500m	3.3m	4.5	Δ	45	45	5.0	500m	35n	100	10m	100	1	80u	480	1.6	4.5p	PL	X168	A
54#	MPS3644Mt	500m	3.3m	4.5	Δ	45	45	5.0	500m	35n	100	10m	100	1	80u	480	1.6	4.5p	PL	X169	A
55#	MPS3645Kt	500m	3.3m	6.0	Δ	60	60	5.0	500m	35n	100	10m	100	1	80u	480	1.6	4.5p	PL	X167	A
56#	MPS3645Lt	500m	3.3m	6.0	Δ	60	60	5.0	500m	35n	100	10m	100	1	80u	480	1.6	4.5p	PL	X168	A
57#	MPS3645Mt	500m	3.3m	6.0	Δ	60	60	5.0	500m	35n	100	10m	100	1	80u	480	1.6	4.5p	PL	X169	A
58#	MP361 #1	500m	100m	4.3m	Δ	45	45	6.5	20m	0.2n	5.00	100u	150	1				1.0p		T078	A
59#	MP362	500m	100m	4.3m	Δ	60	60	6.5	20m	0.2n	5.00	100u	200	1				1.0p		T052	A
60#	MP362 #1	500m	100m	4.3m	Δ	60	60	6.5	20m	0.2n	5.00	100u	200	1				1.0p		T078	A
61	HA7501	500m	7.0m	4.0m	Δ	60	30			10u	5.0	1.0m	8.0						F		
62	HA7506	500m	9.0m	4.0m	Δ	35	60			50u	5.0	1.0m	12						F		
63	2N5110	500m	1.0MΔ	3.3m	Δ	40	40	10	1	75u	100	100m	10	1				500p		T05	A
64	2N5111	500m	1.0MΔ	3.3m	Δ	80	80	10	1	75u	100	100m	10	1				500p		T05	A
65	HA7502	500m	1.0m	4.0m	Δ	60	30			10u	5.0	1.0m	16						F		
66	HA7510	500m	1.2M	4.0m	Δ	35	35			50u	5.0	1.0m	21						F		
67	HA7507	500m	1.6m	4.0m	Δ	20	20			10u	5.0	1.0m	15						F		
68	BT2946	500m	3.0MΔ	2.8m	Δ	40	35	40		500p	5.00	1.0m	30	1				10p	PE	C14	AA
69	BT2946T	500m	3.0MΔ	2.8m	Δ	40	35	40		500p	5.00	1.0m	30	1				10p	PE	T018	A
70	2N3910	500m	4.0MΔ	2.9m	Δ	60	50	50	200m	50n	5.00	1.0m	40	1				8p		T046	A
71	BT2945	500m	5.0MΔ	2.8m	Δ	25	20	25		200p	5.00	1.0m	40	1				10p	PE	C14	AA
72	BT2945T	500m	5.0MΔ	2.8m	Δ	25	20	25		200p	5.00	1.0m	40	1				10p	PE	T018	A
73#	KT502A	500m	5.0M	4.0m	Δ	40	40	5.0	300m		5.00	10m	40	1						X183	A
74#	KT502B	500m	5.0M	4.0m	Δ	40															