

# 4. SILICON PNP - LOW POWER TRANSISTORS

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

LINE No.	TYPE No.	MAX. COLL. DISS. @ 25°C (W)	DERATE IN FREE AIR W/°C (Hz)	M A M X P	ABS MAX RATINGS @ 25°C				MAX. l <sub>co</sub> @ MAX V <sub>cb</sub> (A)	TYPICAL h' PARAMETERS						Cob (F)	STRUC-TURE	DWG Y200 s/a TO200 Ser.	# L C O D E	
					V <sub>cb</sub> (V)	V <sub>ceo</sub> (V)	V <sub>be</sub> (V)	I <sub>c</sub> (A)		V <sub>cb</sub> (V)	I <sub>e</sub> (A)	h <sub>fe</sub>	h <sub>oe</sub> (mhos)	h <sub>ie</sub> (Ω)	h <sub>re</sub> X.0001					
1#	2SA991	500m	90MΔ	5.0m	ΔJ	60	60	5.0	100m	50n	6.0	1.0m	400 f*			5.5p		T092	B	
2	2N3806*	500m	100MΔ	2.9m	ΔS	60	60	5.0	50m	0.1u	1.0	150 Δ	60u	30k	25	4p	Δ	R131c	PA	
3	2N3807*	500m	100MΔ	2.9m	ΔS	60	60	5.0	50m	0.1u	1.0	300 Δ	60u	40k	25	4p	Δ	R131c	PA	
4	2N3808*	500m	100MΔ	2.9m	ΔS	60	60	5.0	50m	0.1u	1.0	150 Δ	60u	30k	25	4p	Δ	R131c	PA	
5	2N3809*	500m	100MΔ	2.9m	ΔS	60	60	5.0	50m	0.1u	1.0	300 Δ	60u	40k	25	4p	Δ	R131c	PA	
6	2N3810*	500m	100MΔ	2.9m	ΔS	60	60	5.0	50m	0.1u	1.0	150 Δ	60u	30k	25	4p	Δ	R131c	PA	
7	2N3810A*	500m	100MΔ	2.9m	ΔS	60	60	5.0	50m	0.1u	1.0	150 Δ	60u	30k	25	4p	Δ	R131a	PA	
8	2N3811*	500m	100MΔ	2.9m	ΔS	60	60	5.0	50m	0.1u	1.0	300 Δ	60u	40k	25	4p	Δ	R131a	PA	
9	2N3811A*	500m	100MΔ	2.9m	ΔS	60	60	5.0	50m	0.1u	1.0	300 Δ	60u	40k	25	4p	Δ	R131a	PA	
10	2N4021A†	500m	100MΔ	2.9m	ΔJ	60	60	5.0	1	0.05u	5.0	1.0m	30 Δ			20p	Δ	TO18	A	
11	2N4027†	500m	100MΔ	2.9m	ΔJ	80	80	5.0	1	0.05u	5.0	1.0m	30 Δ			20p	Δ	TO18	A	
12#	2SA853	500m	100MΔ	4.0m	ΔJ	35	35	6.0	100m	1.0	2.0	500 f*			3.0p	PE	TO92	A		
13#	2SA857	500m	100MΔ	4.0m	ΔJ	150	120	5.0	50m	1.0u	5.0	10m	150 f*			3.0p	PE	R195d	B	
14#	2SA858	500m	100MΔ	4.0m	ΔJ	150	150	5.0	50m	1.0u	5.0	10m	150 f*			3.0p	PE	R195d	B	
15#	2SA922	500m	100MΔ	5.0m	ΔJ	120	120	5.0	50m	50n	6.0	500 f*			2.0p	PE	TO92	B		
16	BC327	500m	100MΔ	4.0m	ΔJ			4.5	500m	100n	1.0	100m	100 Δ			8.0p	PE	TO92	F	
17	BC328	500m	100MΔ	4.0m	ΔJ			2.5	500m	100n	1.0	100m	100 Δ			8.0p	PE	TO92	F	
18#	BC432	500m	100MΔ	4.0m	ΔJ	70	60	5.0	500m	100n	1.0	100m	63 Δ			12p	PE	TO92	A	
19	D29E1	500m	100MΔ	4.0m	ΔJ	35	25	5.0	750m	100n	2.0	2.0m	60 Δ			15p	PE	TO98	B	
20	GES5811	500m	100MΔ	4.5m	ΔJ	35	25	5.0	750m	100n	2.0	2.0m	60 Δ			15p	PE	TO92	A	
21	GES5815	500m	100MΔ	4.5m	ΔJ	50	40	5.0	750m	100n	2.0	2.0m	60 Δ			15p	PE	TO92	A	
22	GES5821	500m	100MΔ	4.5m	ΔJ	70	60	5.0	750m	100n	2.0	2.0m	60 Δ			15p	PE	TO92	A	
23	GES6013	500m	100MΔ	4.0m	ΔJ	50	40	5.0	800m	10n	1.0	10m	200 Δ#	150u	30k	26	20p	PE	TO92	A
24	GES6017	500m	100MΔ	4.0m	ΔJ	70	60	5.0	800m	10n	1.0	10m	200 Δ#	150u	30k	26	20p	PE	TO92	A
25#	MPS3638K†	500m	100MΔ	3.3m	ΔA	25	25	4.0	500m	35n	1.0	10m	25 Δ	1.2u	1.5k	26	20p	PL	X167	A
26#	MPS3638L†	500m	100MΔ	3.3m	ΔA	25	25	4.0	500m	35n	1.0	10m	25 Δ	1.2u	1.5k	26	20p	PL	X168	A
27#	MPS3638M†	500m	100MΔ	3.3m	ΔA	25	25	4.0	500m	35n	1.0	10m	25 Δ	1.2u	1.5k	26	20p	PL	X169	A
28#	MPS3702K	500m	100MΔ	3.3m	ΔA	40	25	5.0	200m	100n	5.0	50m	60 Δ			12p	PL	X167	A	
29#	MPS3702L	500m	100MΔ	3.3m	ΔA	40	25	5.0	200m	100n	5.0	50m	60 Δ			12p	PL	X168	A	
30#	MPS3702M	500m	100MΔ	3.3m	ΔA	40	25	5.0	200m	100n	5.0	50m	60 Δ			12p	PL	X169	A	
31#	MPS3703K	500m	100MΔ	3.3m	ΔA	50	30	5.0	200m	100n	5.0	50m	60 Δ			12p	PL	X167	A	
32#	MPS3703L	500m	100MΔ	3.3m	ΔA	50	30	5.0	200m	100n	5.0	50m	60 Δ			12p	PL	X168	A	
33#	MPS3703M	500m	100MΔ	3.3m	ΔA	50	30	5.0	200m	100n	5.0	50m	60 Δ			12p	PL	X169	A	
34#	MPS3704K	500m	100MΔ	3.3m	ΔA	50	30	5.0	600m	100n	2.0	50m	100 Δ#			12p	PL	X167	A	
35#	MPS3704L	500m	100MΔ	3.3m	ΔA	50	30	5.0	600m	100n	2.0	50m	100 Δ#			12p	PL	X168	A	
36#	MPS3704M	500m	100MΔ	3.3m	ΔA	50	30	5.0	600m	100n	2.0	50m	100 Δ#			12p	PL	X169	A	
37#	MPS3705K	500m	100MΔ	3.3m	ΔA	50	30	5.0	600m	100n	2.0	50m	50 Δ#			12p	PL	X167	A	
38#	MPS3705L	500m	100MΔ	3.3m	ΔA	50	30	5.0	600m	100n	2.0	50m	50 Δ#			12p	PL	X168	A	
39#	MPS3705M	500m	100MΔ	3.3m	ΔA	50	30	5.0	600m	100n	2.0	50m	50 Δ#			12p	PL	X169	A	
40#	MPS3706K	500m	100MΔ	3.3m	ΔA	40	20	5.0	600m	100n	2.0	50m	30 Δ#			12p	PL	X167	A	
41#	MPS3706L	500m	100MΔ	3.3m	ΔA	40	20	5.0	600m	100n	2.0	50m	30 Δ#			12p	PL	X168	A	
42#	MPS3706M	500m	100MΔ	3.3m	ΔA	40	20	5.0	600m	100n	2.0	50m	30 Δ#			12p	PL	X169	A	
43	TD524*	500m	100MΔ	60	60	60	60	5.0	10n	5.0	1.0m	900 Δ			4.0p	†	R131c	PA		
44	TD525*	500m	100MΔ	60	60	60	60	5.0	10n	5.0	1.0m	100 Δ			8.0p	†	R131c	PA		
45	TD527*	500m	100MΔ	60	60	60	60	5.0	10n	5.0	1.0m	450 Δ			8.0p	†	R131c	PA		
46#	2SA1017	500m	10MΔ	2.9m	ΔJ	120	100	5.0	50m	1.0u	6.0	1.0m	250 f*			2.2p	PE	TO92	B	
47	2N2837†	500m	120MΔ	2.9m	ΔS	50	35	5.0	800m	1.0u	10	10m	20 Δ			25p	Δ	TO18	A	
48	2N2838†	500m	120MΔ	2.9m	ΔS	50	35	5.0	800m	1.0u	10	10m	30 Δ			25p	Δ	TO18	A	
49#	2SA984	500m	120MΔ	4.0m	ΔJ	60	50	5.0	500m	1.0u	5.0	50m	150 f*			8.0p	PE	TO92	B	
50#	2SA984K	500m	120MΔ	4.0m	ΔJ	100	80	5.0	500m	1.0u	5.0	50m	150 f*			8.0p	PE	TO92	B	
51#	2SA1066	500m	120MΔ	4.0m	ΔJ	70	50	5.0	200m	100n	3.0	10m	420 f*			16p	PE	R210c	B	
52	D29E10	500m	120MΔ	4.5m	ΔJ	70	60	5.0	750m	100n	2.0	2.0m	100 Δ			15p	PE	TO98	B	
53	GES5817	500m	120MΔ	4.5m	ΔJ	50	40	5.0	750m	100n	2.0	2.0m	100 Δ			15p	PE	TO92	A	
54	GES5823	500m	120MΔ	4.5m	ΔJ	70	60	5.0	750m	100n	2.0	2.0m	100 Δ			15p	PE	TO92	A	
55	KM905	500m	120MΔ	5.0m	ΔJ			2.0	-	-	-	50	64 Δ			9.0p	PE	TO92	A	
56#	2SA695	500m	130MΔ	5.0m	ΔJ	25	20	4.0	700m	1.0u	1.0	500m	100 f*			8.0p	PE	TO92	B	
57#	2SA696	500m	130MΔ	5.0m	ΔJ	45	40	4.0	500m	1.0u	2.0	150m	100 f*			8.0p	PE	TO92	B	
58#	2SA697	500m	130MΔ	5.0m	ΔJ	65	60	4.0	500m	1.0u	2.0	150m	100 f*			8.0p	PE	TO92	B	
59#	BFX11*	500m	135MΔ	2.2m	ΔJ	45	45	4.5	750m	100n	5.0	1.0m	200 f*			15p	PE	TO98	B	
60	D29E2	500m	135MΔ	4.0m	ΔJ	35	25	5.0	750m	100n	2.0	2.0m	150 Δ			15p	PE	TO98	B	
61	D29E6	500m	135MΔ	4.5m	ΔJ	50	40	5.0	750m	100n	2.0	2.0m	150 Δ			15p	PE	TO92	A	
62	GES5813	500m	135MΔ	4.5m	ΔJ	35	25	5.0	750m	100n	2.0	2.0m	150 Δ			15p	PE	TO92	A	
63	GES5819	500m	135MΔ	4.5m	ΔJ	50	40	5.0	750m	100n	2.0	2.0m	150 Δ			15p	PE	TO92	A	
64	2N3765†	500m	150MΔ	2.9m	ΔS	60	60	5.0	1.5	1u	1.0	500m	35 Δ			15p	PE	TO46	A	
65	JAN2N3765†	500m	150MΔ	2.8m	ΔS	60	60	5.0	1.5	100n	1.0	500m	40 Δ#			15p	PE	TO46	A	
66	2N4028†	500m	150MΔ	2.9m	ΔS	60	60	5.0	1	0.05u	5.0	10m	75 Δ			20p	Δ	TO18	A	
67	2N4029†	500m	150MΔ	2.9m	ΔS	80	80	5.0	1	0.05u	5.0	10m	75 Δ			20p	Δ	TO18	A	
68	JAN2N4029†	500m	150MΔ	2.8m	ΔS	80	80	5.0	1.0	10n	5.0	100m	100 Δ#			8.0p	PE	TO92	D	
69#	2SA1114#	500m	150MΔ	5.0m	ΔJ	70	70	5.0	200m	0.1u	6.0	1.0	1.2k			4.5p	PE	R189a	A	
70#	BC556	500m	150MΔ	4.0m	ΔJ	80	65	5.0	100m	15n	5.0	2.0m	75 Δ			4.5p	PE	R189	A	
71#	BC556A	500m	150MΔ	4.0m	ΔJ	80	65	5.0	100m	15n	5.0	2.0m	180			4.5p	PE	TO92	A	
72	BC556A#	500m	150MΔ	4.0m	ΔJ	80	65	5.0	100m	15n	5.0	2.0m	75 Δ			4.5p	PE	TO92	A	
73#	BC556PA	500m	150MΔ	4.0m	ΔJ	80	65	5.0	100m	15n	5.0	100m	120 f	18u	2.7k	1.5	4.5p	PLT	B58	A
74#	BC556PAK	500m	150MΔ	4.0m	ΔJ	80	65	5.0	100m	15n	5.0	100m	120 f	18u	2.7k	1.5	4.5p	PLT	B58	A
75#	BC556PAL	500m	150MΔ	4.0m																