

5. SILICON NPN - 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	M A P	TABS MAX RATINGS @ 25°C				MAX. I _{cb0} @ V _{cb} (A)	TYPICAL h _{FE} PARAMETERS			COMMON EMITTER			Cob (F)	STRUC-TURE	DWG # s/a TO200 Ser.	L E O A D E	
					V _{cb0} (V)	V _{ce0} (V)	V _{be0} (V)	I _c (A)		V _{cb} (V)	I _e (A)	h _{fe}	h _{oe} (mhos)	h _{ie} (Ω)	h _{re} (X.0001)					
1	2N2854†	850m	30MΔ	5.0m	ΔS	60	40	5.0	3.0	100n	1.0	1.0	100	1Δ#			125p	R61	∅	
2	2N2855†	850m	30MΔ	5.0m	ΔS	60	40	5.0	3.0	100n	1.0	1.0	40	1Δ#			125p	R61	∅	
3	2N2856†	850m	30MΔ	5.0m	ΔS	60	40	5.0	3.0	100n	1.0	1.0	20	1Δ#			125p	R61	∅	
4	UPT111†	850m	50MΔ	40m	ΔS	60	40*	5.0	1.0	10u*	5.0	500m	30	1Δ#			50p	PL	T05 A	
5	UPT112†	850m	50MΔ	40m	ΔS	60	60*	5.0	1.0	10u*	5.0	500m	30	1Δ#			50p	PL	T05 A	
6	UPT113†	850m	50MΔ	40m	ΔS	100	80*	5.0	1.0	10u*	5.0	500m	30	1Δ#			50p	PL	T05 A	
7	UPT114†	850m	50MΔ	40m	ΔS	120	100*	5.0	1.0	10u*	5.0	500m	30	1Δ#			50p	PL	T05 A	
8	UPT115†	850m	50MΔ	40m	ΔS	150	100*	5.0	1.0	10u*	5.0	500m	30	1Δ#			50p	PL	T05 A	
9	UPT211†	850m	70MΔ	40m	ΔS	60	40*	5.0	2.0	10u*	5.0	500m	30	1Δ#			50p	PL	T05 A	
10	UPT212†	850m	70MΔ	40m	ΔS	80	60*	5.0	2.0	10u*	5.0	500m	30	1Δ#			50p	PL	T05 A	
11	UPT213†	850m	70MΔ	40m	ΔS	100	80*	5.0	2.0	10u*	5.0	500m	30	1Δ#			50p	PL	T05 A	
12	UPT214†	850m	70MΔ	40m	ΔS	120	100*	5.0	2.0	10u*	5.0	500m	30	1Δ#			50p	PL	T05 A	
13	UPT215†	850m	70MΔ	40m	ΔS	150	100*	5.0	2.0	10u*	5.0	500m	30	1Δ#			50p	PL	T05 A	
14#	BSS451	870m	5.0m	ΔS	ΔS	85	80	6.0	5.0	500n	2.0	500m	25	1Δ#			53p	PE	TO39 A	
15#	SE8001	870m	40MΔ	5.0m	ΔS	60	30	5.0		1.0u	1.0	150m	20	#Δ			25p	PE	TO5 A	
16	SE8002	870m	40MΔ	5.0m	ΔS	80	40	5.0		0.1u	1.0	150m	40	#Δ			25p	PE	TO5 A	
17#	BFY80	870m*	50MΔ	6.7m	ΔS	100	80*	7.0	100m	500u	2.0	15m	30	1Δ#			8.0p	PE	TO18 A	
18	PT2523	870m	50MΔ	33m	ΔS	180	140	5.0	500m	0.1u	5.0	10m	20	1Δ#			6p	PE	TO5 A	
19	PT2524	870m	50MΔ	33m	ΔS	200	180	5.0	500m	0.1u	5.0	10m	20	#Δ			6p	PE	TO5 A	
20	2N699B	870m	60MΔ	5.0m	ΔS	120	80*	7.0	5.0	10n	5.0	1.0m	35	Δ	500n	30	1.2	15p	PE	TO5 A
21#	BFX34†	870m	70MΔ	5.0m	ΔS	120	60*	6.0	5.0	10n	5.0	2.0	40	1Δ#			100p	PE	TO39 A	
22#	BCW77	870m	100MΔ	5.0m	ΔS		32	4	800m	1.0	1.0	100m	100	1Δ#			12p	PE	TO39 A	
23#	BCW78	870m	100MΔ	5.0m	ΔS		40	4	800m	1.0	1.0	100m	100	1Δ#			12p	PE	TO39 A	
24#	BXS62-10†	875m	70MΔ	5.0m	ΔS		40	5.0	500m	100n	1.0	1.0	100	1Δ#			35p	PE	TO39 A	
25#	BXS62-16†	875m	70MΔ	5.0m	ΔS		40	5.0	500m	100n	1.0	1.0	160	1Δ#			35p	PE	TO39 A	
26#	BXS63-10†	875m	70MΔ	5.0m	ΔS		60	5.0	3.0	100n	1.0	1.0	100	1Δ#			35p	PE	TO39 A	
27#	BXS63-16†	875m	70MΔ	5.0m	ΔS		60	5.0	3.0	100n	1.0	1.0	160	1Δ#			35p	PE	TO39 A	
28#	BXS64-10†	875m	70MΔ	5.0m	ΔS		80	5.0	3.0	100n	1.0	1.0	100	1Δ#			35p	PE	TO39 A	
29	2N5702	880m	2.0m	ΔS	ΔS	36	18	3.0	500m	1.0m	5.0	50m	15	1Δ#			20p	PE	TO39 A	
30#	2SD763	900m	7.2m	ΔS	ΔS	120	60	5.0	1.0	1.0u	5.0	1.0	150	1Δ#				E	R195c B	
31#	2SD1014	900m	ΔS	ΔS	ΔS	50	50	5.0	2.0	1.0u	2.0	10m	1.5k						Δ	
32#	2SD1015	900m	ΔS	ΔS	ΔS	140	50	5.0	2.0	2.0u	2.0	10m	1.5k						Δ	
33	HS3402	900m				25	25	5.0		100n	4.5	2.0m	225	1Δ#						TC92 B
34	HS3403	900m				25	25	5.0		100n	4.5	2.0m	540	1Δ#						TC92 B
35	HS3404	900m				50	50	5.0		100n	4.5	2.0m	225	1Δ#						TC92 B
36	SP3439	900m	15MΔ	7.2m	ΔS	450	350	7.0	1.0	20u	10	20m	40	1Δ#			10p			TC92 A
37	SP3440	900m	15MΔ	7.2m	ΔS	300	250	7.0	1.0	50u	10	20m	40	1Δ#			10p			TC92 A
38#	2SC2383	900m	20MΔ	7.2m	ΔS	160	160	6.0	1.0	1.0u	5.0	200m	60	1Δ#			20p	E	PL	R195h B
39#	2SC2228A	900m	50MΔ	7.2m	ΔS	200	50	5.0	50m	1.0u	1.0	10m	40	Δ*			4.0p			R227 B
40#	2SC2228Y	900m	50MΔ	7.2m	ΔS	160	160	5.0	50m	1.0u	1.0	10m	40	Δ*			4.0p	PL		R227 B
41#	BF642W3	900m	50MΔ	7.2m	ΔS	300	300	8.0	500m	100m	10	30m	40	1Δ#			3.0p			B43 D
42#	BF642W	900m	50MΔ	7.2m	ΔS	300	300	8.0	500m	100m	10	30m	40	1Δ#			3.0p			B43 A
43#	BF643W3	900m	50MΔ	7.2m	ΔS	200	200	6.0	500m	100m	10	30m	50	1Δ#			4.0p			B43 D
44#	BF643W	900m	50MΔ	7.2m	ΔS	200	200	6.0	500m	100m	10	30m	50	1Δ#			4.0p			B43 A
45	HS3405	900m	60M	ΔS	ΔS	50	50	5.0	500m	100n	4.5	2.0m	180			8.0p				TC92 A
46#	2SC2655	900m	100MΔ	7.2m	ΔS	50	50	5.0	2.0	1.0u	2.0	500m	70	1Δ#			30p	E	PE	R195h B
47#	BSY81	900m	100MΔ	5.1m	ΔS	40	18	5.0	1.0	100n	1.0	150m	40	1Δ#			15p	PE	PE	TO39 A
48#	BSY82	900m	100MΔ	5.1m	ΔS	40	18	5.0	1.0	100n	1.0	150m	100	1Δ#			15p	PE	PE	TO39 A
49#	BSY83	900m	100MΔ	5.1m	ΔS	80	35	7.0	1.0	10n	1.0	150m	40	1Δ#			15p	PE	PE	TO39 A
50#	BSY84	900m	100MΔ	5.1m	ΔS	80	35	7.0	1.0	10n	1.0	150m	100	1Δ#			15p	PE	PE	TO39 A
51#	BSY85	900m	100MΔ	5.1m	ΔS	120	64	7.0	1.0	10n	1.0	150m	40	1Δ#			15p	PE	PE	TO39 A
52#	BSY86	900m	100MΔ	5.1m	ΔS	120	64	7.0	1.0	10n	1.0	150m	100	1Δ#			15p	PE	PE	TO39 A
53#	2SC2235	900m	120MΔ	7.2m	ΔS	120	120	5.0	800m	100n	5.0	100m	140	1Δ#			30p	PE	PE	R195e B
54#	2SC2236	900m	120MΔ	7.2m	ΔS	30	30	5.0	15	100n	5.0	500m	180	1Δ#			30p	PE	PE	R195e B
55#	2SD1145	900m	120MΔ	7.2m	ΔS	60	20	6.0	5.0	1.0u	2.0	500m	100	1Δ#			45p	PE	PE	R195e B
56#	2SD666	900m	140MΔ	7.2m	ΔS	120	80	5.0	50m	10u	5.0	10m	60	1Δ#			3.0p	E	PE	R195c B
57#	2SD666A	900m	140MΔ	7.2m	ΔS	120	100	5.0	50m	10u	5.0	10m	60	1Δ#			3.0p	E	PE	R195c B
58#	2SD667	900m	140MΔ	7.2m	ΔS	120	80	5.0	1.0	10u	5.0	150m	60	1Δ#			12p	E	PE	R195c B
59#	2SD667A	900m	140MΔ	7.2m	ΔS	120	100	5.0	1.0	10u	5.0	150m	60	1Δ#			12p	E	PE	R195c B
60#	2SC2500	900m	150MΔ	7.2m	ΔS	30	10	6.0	2.0	100n	1.0	500m	140	Δ*†			27p			R195h B
61#	2SC2910	900m	150MΔ	7.2m	ΔS	180	160	5.0	70m	100n	5.0	10m	100	1Δ#			2.0p	PE	PE	R195e B
62#	2SD683	900m	190MΔ	7.2m	ΔS	60	50	5.0	1.0	1.0u	2.0	50m	150	*			12p	PE	PE	R227 B
63#	2SD468	900m	190MΔ	7.2m	ΔS	25	20	5.0	1.0	1.0u	2.0	500m	60	1Δ#			22p	PE	PE	R195c B
64#	BSY581	900m	400MΔ	4.5m	ΔS	50	25	5.0	600m	120n	1.0	100m	42	1Δ#			4.5p	PE	PE	TO39 A
65#	2SC1127-1	950m	30MΔ	10m	ΔS	180	180	8.0	100m	1.0u	5.0	3.0m	30	1Δ#			15p	ME	ME	B2 A
66#	2SC1127-2	950m	30MΔ	10m	ΔS	210	210	8.0	100m	1.0u	5.0	3.0m	30	1Δ#			15p	ME	ME	B2 A
67#	2SC1962	950m	45MΔ	10m	ΔS	200	200	8.0	500m	200n	2.0	100m	70	1Δ#			12p	ME	ME	B2 A
68#	2SC1663	950m	50MΔ	10m	ΔS	140	140	8.0	500m	200n	2.0	100m	150	1Δ#			15p	ME	ME	B2 A
69#	2SC2141	950m	50MΔ	1.0m	ΔS	140	140	8.0	500m	200n	2.0	100m	350	1Δ#			20p	ME	ME	B2 A
70#	2SC1429-1	950m	80MΔ	10m	ΔS	16	12	6.0	2.0	10n	1.0	1.0	70	1Δ#			40p	ME	ME	B2 A
71#	2SC1429-2	950m	80MΔ	10m	ΔS	16	16	6.0	2.0	10n	1.0	1.0	100	1Δ#			40p	ME	ME	B2 A
72#	2SC1761	950m	80MΔ	10m	ΔS	20	16	6.0	2.0	200n	2.0	100m	140	1Δ#			30p	ME	ME	B2 A
73	2N339	1.0	ΔS	ΔS	ΔS	55	55	1.0		1.0u	1.0						2.0u	G	G	TO11 A
74	2N340	1.0	ΔS	ΔS	ΔS	85	85	1.0		1.0u	1.0						2.0u	G	G	TO11 A
75																				