

5. SILICON NPN - LOW POWER TRANSISTORS

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

LINE No.	TYPE No.	MAX. COLL. DISS. @ 25°C (W)	DERATE (Hz)	FREE AIR W/C	TEMP. RANGE	ABS MAX RATINGS @ 25°C				MAX. I _c @ MAX V _{cb} (A)	TYPICAL 'h' PARAMETERS			COMMON EMITTER			Cob (F)	STRUC-TURE	DWG s/a TO200 Ser.	# L O A D E	
						V _{cb} (V)	V _{ceo} (V)	V _{ce} (V)	I _c (A)		V _{cb} (V)	h _{fe} (A)	h _{fe} (A)	h _{oe} (mhos)	h _{ie} (Ω)	h _{re} (X.0001)					
1#	2SC875	500m	170MΔ		Δ	75	75	4.0	500m	1.0u	6.0	50m	100				5.0p	PL	T039	A	
2#	2SC876	500m	170MΔ		Δ	50	50	4.0	500m	1.0u	6.0	50m	100				5.0p	PL	T039	A	
3#	JAN2N1493	500m	175MΔ	2.8m	Δ	100	100	4.5	500m	1.0u	20	10m	50				5.0p	PL	R179a	A	
4#	2SB598	500m	180MΔ		Δ	25	25	5.0	1.0	1.0u	2.0	50m	580				25p	EP	R195f	A	
5#	2SD545	500m	180MΔ		Δ	25	25	5.0	1.5	1.0u	2.0	50m	580				15p	EP	R195f	A	
6#	KM934	500m	180MΔ		Δ	20	20	5.0	500m	1.0u	1.0	50m	80				4.0p	EP	T092	A	
7#	2N752	500m	200MΔ	2.9m	Δ	85	45	8.0	100m	10u	10	1.0m	40				5p	PL	T018	A	
8#	2N1682	500m	200MΔ	3.0m	Δ	25	12	3.0	600m	50u	1.0	1.0m	20				6p	PL	T05	A	
9#	2N5793†	500m	200MΔ	2.9m	Δ	75	40	6.0	600m	10n	10	1.0m	25				8.0p	PL	T078	PA	
10#	2N5794†	500m	200MΔ	2.9m	Δ	75	40	6.0	600m	10n	10	1.0m	50				8.0p	PL	T078	PA	
11#	2N5845†	500m	200MΔ	4.5m	Δ	50	40	6.0	600m	500n	1.0	1.0m	50				9.0p	PL	T092	A	
12#	40A58†	500m	200MΔ	3.3m	Δ	60	40	8.0	600m	0.1u	1.0	1.0m	15		75m	600	1.2	DPE	R179d	A	
13#	BC337	500m	200MΔ	4.0m	Δ	45	25	5.0	500m	10n	1.0	100m	100				5.0p	PE	T092	F	
14#	BC338	500m	200MΔ	4.0m	Δ	45	25	5.0	500m	10n	1.0	100m	100				5.0p	PE	T092	F	
15#	BC549	500m	200MΔ	4.0m	Δ	30	30	5.0	100m	15n	5.0	2.0m	240				2.5p	PE	R189	A	
16#	BFW32†	500m	200MΔ	4.0m	Δ	50	30	5.0	700m	500n	1.0	10m	40		250u	4.0k	6.0	PE	T018	A	
17#	BSS71	500m	200MΔ		Δ	200	200	6.0	500m	50n	1.0	100u	30				7.0p	PE	T018	A	
18#	BSS72	500m	200MΔ		Δ	250	250	6.0	500m	50n	1.0	100u	30				3.5p	PE	T018	A	
19#	B5W26†	500m	200MΔ	2.9m	Δ	50	40	4.0	500m	1.0u	2.0	500m	20				10p	PE	T018	A	
20#	KM904	500m	200MΔ		Δ	40	20	5.0	500m	1.0u	1.0	50m	84				4.8p	PE	T092	A	
21#	KT620B	500m	200MΔ		Δ	40	40	5.0	500m	1.0u	2.0	200m	100				4.8p	PE	T092	A	
22#	MP310#1	500m	200MΔ	4.3m	Δ	25	25	6.5	20m	0.2n	5.0	100u	150				2.0p	PL	T078	A	
23#	MPS3693K	500m	200MΔ	3.3m	Δ	45	45	4.0	50m	50n	10	10m	40				3.5p	PL	X167	A	
24#	MPS3693L	500m	200MΔ	3.3m	Δ	45	45	4.0	50m	50n	10	10m	40				3.5p	PL	X168	A	
25#	MPS3693M	500m	200MΔ	3.3m	Δ	45	45	4.0	50m	50n	10	10m	40				3.5p	PL	X169	A	
26#	MPS6565K	500m	200MΔ	3.3m	Δ	60	45	4.0	200m	100n	10	10m	40				3.5p	PL	X167	A	
27#	MPS6565L	500m	200MΔ	3.3m	Δ	60	45	4.0	200m	100n	10	10m	40				3.5p	PL	X168	A	
28#	MPS6565M	500m	200MΔ	3.3m	Δ	60	45	4.0	200m	100n	10	10m	40				3.5p	PL	X169	A	
29#	MPS6566K	500m	200MΔ	3.3m	Δ	60	45	4.0	200m	100n	10	10m	100				3.5p	PL	X167	A	
30#	MPS6566L	500m	200MΔ	3.3m	Δ	60	45	4.0	200m	100n	10	10m	100				3.5p	PL	X168	A	
31#	MPS6566M	500m	200MΔ	3.3m	Δ	60	45	4.0	200m	100n	10	10m	100				3.5p	PL	X169	A	
32#	PE107	500m	200MΔ	4.0m	Δ	50	45	4.0	100m	200n	5.0	2.0m	130				3.0p	PE	R222	F	
33#	PE107A	500m	200MΔ	4.0m	Δ	50	45	4.0	100m	200n	5.0	2.0m	220				3.0p	PE	R222	F	
34#	PE108	500m	200MΔ	4.0m	Δ	35	25	4.0	100m	200n	5.0	2.0m	130				3.0p	PE	R222	F	
35#	PE108A	500m	200MΔ	4.0m	Δ	35	25	4.0	100m	200n	5.0	2.0m	220				3.0p	PE	R222	F	
36#	PE108B	500m	200MΔ	4.0m	Δ	35	25	4.0	100m	200n	5.0	2.0m	450				3.0p	PE	R222	F	
37#	PE108C	500m	200MΔ	4.0m	Δ	35	25	4.0	100m	200n	5.0	2.0m	800				3.0p	PE	R222	F	
38#	PE109B	500m	200MΔ	2.5m	Δ	35	35	4.0	200m	200n	5.0	2.0	200				3.0p	PE	T092	A	
39#	PE109C	500m	200MΔ	2.5m	Δ	35	35	4.0	200m	200n	5.0	2.0	420				3.0p	PE	T092	A	
40#	PE255D	500m	200MΔ	4.0m	Δ	30	20	5.0	30m	200n	10	1.0m	70				750ft	PE	R222	A	
41#	SG105†	500m	200MΔ		Δ	20	20	5.0	500m	20n	10	10m	75				8.0p	PL	T018	A	
42#	SG106†	500m	200MΔ		Δ	40	40	5.0	500m	20n	10	10m	75				8.0p	PL	T018	A	
43#	SG107†	500m	200MΔ		Δ	60	60	5.0	500m	20n	10	10m	75				8.0p	PL	T018	A	
44#	ZTX360†	500m	200MΔ	3.3m	Δ	60	40	5.0	1.0	500n	1.0	500m	25		1.0u	500	100m	PL	T018	F	
45#	ZTX4400†	500m	200MΔ	3.3m	Δ	60	40	5.0	600m	100n	1.0	500m	20		1.0u	500	100m	PL	B58	A	
46#	BT5109	500m	216M#	2.8m	Δ	40	20	3.0	20MΔ	15	50m	40	40		1.0u	500	100m	PL	C14	AA	
47#	BT5109T	500m	216M#	2.8m	Δ	40	20	3.0	20MΔ	15	50m	40	40		1.0u	500	100m	PL	T018	A	
48#	2SC2051	500m	220MΔ		Δ	60	40	4.0	250m	500n	1.0	100m	100				3.0p	PE	R219	B	
49#	2SC796	500m	230MΔ	3.3m	Δ	40	30	2.0	500m	5.0u	20	15m	50				5.0p	PE	T05	A	
50#	SE8040	500m	230MΔ	5.0m	Δ	30	30	6.0	1.0	50n	1.0	150m	70				9.0p	PE	R124c	A	
51#	JAN2N2221†	500m	250MΔ	2.9m	Δ	60	30	5.0	800m	10n	10	1.0m	25				8.0p	PL	T018	A	
52#	JAN2N2221A†	500m	250MΔ	2.9m	Δ	75	50	6.0	800m	10n	10	1.0m	30				8.0p	PL	T018	A	
53#	JAN2N2222†	500m	250MΔ	2.9m	Δ	60	30	5.0	800m	10n	10	1.0m	50				8.0p	PL	T018	A	
54#	JAN2N2222A†	500m	250MΔ	2.9m	Δ	75	50	6.0	800m	10n	10	1.0m	50				8.0p	PL	T018	A	
55#	2N2539†	500m	250MΔ	2.9m	Δ	60	30	5.0	800m	25u	10	1.0m	20				8p	PL	T018	A	
56#	2N2540†	500m	250MΔ	2.9m	Δ	60	30	5.0	800m	25u	10	1.0m	30				8p	PL	T018	A	
57#	2N2790†	500m	250MΔ	2.8m	Δ	75	35	5.0	800m	25u	10	1.0m	30		200u	35	1.5	8.0p	PL	T018	A
58#	2N2791†	500m	250MΔ	2.8m	Δ	75	35	5.0	800m	10n	20	2.0m	75		200u	35	2.0	8.0p	PL	T018	A
59#	2N2792†	500m	250MΔ	2.8m	Δ	75	35	5.0	800m	10n	20	2.0m	75		200u	35	2.5	8.0p	PL	T018	A
60#	2N3409*	500m	250MΔ	2.9m	Δ	60	30	5.0	500m	0.1u	10	1.0m	40		200u	35	2.5	8.0p	PL	T018	A
61#	2N3410*	500m	250MΔ	2.9m	Δ	60	30	5.0	500m	0.1u	10	1.0m	40				8p	*	R131f	PA	
62#	2N3411*	500m	250MΔ	2.9m	Δ	60	30	5.0	500m	0.1u	10	1.0m	40				8p	*	R131f	PA	
63#	2N3737†	500m	250MΔ	2.9m	Δ	75	50	5.0	200#	1.5	20u	10m	35				9p	*	T046	A	
64#	JAN2N3737†	500m	250MΔ	2.8m	Δ	75	50	5.0	1.5	250m	1.0	500m	40				9.0p	*	T046	A	
65#	2N4961†	500m	250MΔ	4.5																	