

# 4. SILICON PNP - LOW POWER TRANSISTORS

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

LINE No.	TYPE No.	MAX. RATINGS @ 25°C		DERATE IN FREE AIR W/°C	M A P	ABS MAX RATINGS @ 25°C				MAX. Icbo @ MAX Vcb (A)	TYPICAL 'h' PARAMETERS			COMMON EMITTER			Cob (F)	STRUCTURE	DWG Y200 s/a TO200 Ser.	# L O A D E	
		COLL. DISS. (W)	fab (Hz)			Vcbo (V)	BVceo (V)	BVebo (V)	Ic (A)		Vcb (V)	le (A)	hfe	hoe (mhos)	hie (Ω)	hre (X.0001)					
1#	ESM638	800m	50M	6.0m	\$J	45	45	5.0	1.0	100n	2.0	500m	25	1Δ				PE			
2#	ESM638	800m	50M	6.0m	\$J	60	60	5.0	1.0	100n	2.0	500m	25	1Δ				PE			
3#	ESM640	800m	50M	6.0m	\$J	100	80	5.0	1.0	100n	2.0	500m	25	1Δ				PE			
4	HSE185-RT	800m	50MΔ	6.4m	\$J	100	80	5.0	1.0	1.0u	4.0	400m	40	1Δ				PE		T05	A
5	HSE191-RT	800m	50MΔ	6.4m	\$J	100	80	5.0	1.0	1.0u	1.0	150m	50	1Δ				PE		T05	A
6#	TCS101	800m	50MΔ	6.4m	\$S	60	60	5.0	1.0	100n	5.0	150m	50	#Δ				PE		R203a	A
7#	TCS103	800m	50MΔ	6.4m	\$S	60	60	5.0	1.0	100n	5.0	150m	100	#Δ				PE		T05	A
8	2N2104	800m	60M	4.5m	\$J	50	35	6.0	600m	0.2u	10	150m	60	1#				PLΔ		T05	A
9#	BFR601	800m	60MΔ	4.5m	\$J	80	80	6.0	1.0	50n	6.0	1.0m	10	Δ				PE		R188	B
10#	BFT60	800m	60MΔ	4.5m	\$J	80	35	6.0	1.0	2.5u	1.0	1.0m	10	Δ				PE		T039	A
11#	BFT61	800m	60MΔ	4.5m	\$A	60	30	6.0	1.0	2.5u	6.0	1.0m	30	Δ				PE		T039	A
12#	BFT62	800m	60MΔ	4.5m	\$A	40	20	6.0	1.0	2.5u	6.0	1.0m	30	Δ				PE		T039	A
13	CX958	800m	60MΔ	6.4m	\$J				-1		-1		80	1Δ				PE		T092	A
14#	BC369	800m	65M	6.4m	\$J				1.0	10u		500m	375	10				PE		R204e	D
15#	BC369	800m	65M	6.4m	\$J				1.0			500m	85	1Δ				PE		T092	B
16#	BCX69	800m	65M	6.4m	\$J	25	20	5.0	1.0	10u	1.0	500m	300					PE		X166	B
17#	BFGQ35	800m	80M	4.5m	\$J	160	160	5.0	200m	50n	5.0	10m	50	1Δ				PL		T039	A
18#	BFGQ36	800m	80M	4.5m	\$J	250	250	5.0	200m	50n	5.0	10m	40	1Δ				PL		T039	A
19#	BFGQ37	800m	80M	4.5m	\$J	300	300	5.0	200m	50n	5.0	10m	30	1Δ				PL		T039	A
20	2N2927T	800m	100MΔ	4.5m	\$J	25	25	4.0	500m	0.2u	10	10m	25	Δ		1.2m	1.5k	26		T05	A
21	2N4030T	800m	100MΔ	4.5m	\$J	60	60	5.0	1.0	0.5u	5.0	10m	30	1Δ				PE		T05	A
22	2N4031T	800m	100MΔ	4.5m	\$J	80	80	5.0	1.0	0.5u	5.0	10m	30	1Δ				PE		T05	A
23#	2SA580	800m	100M	5.3m	\$J	60	40	6.0	600m	1.0u	2.0	200m	120	1				PE		T039	A
24#	2SA581	800m	100M	5.3m	\$J	100	70	6.0	600m	1.0u	2.0	200m	120	1			20	PE		T039	A
25#	2SA682	800m	100M		\$J	80	80	5.0	750m	500n	2.0	150m	120	1				PE		B7	A
26#	2SA708	800m	100M	6.4m	\$J	80	60	8.0	700m	100n	2.0	50m	80	1#Δ				PE		T039	A
27#	2SA708A	800m	100M	6.4m	\$J	100	80	8.0	700m	100n	2.0	50m	80	1#Δ				PE		T039	A
28#	2SA793	800m	100M	5.3m	\$J	80	60	6.0	600m	1.0u	2.0	200m	120	1				PE		T039	A
29#	2SA817A	800m	100M	6.4m	\$J	80	80	5.0	400m	100n	5.0	50m	130	1				PE		R195e	B
30#	2SB525	800m	100M	6.9m	\$T	30	25	4.0	1.0	1.0u	1.0	500m	100	1#				PE		T092	A
31#	BC343	800m	100MΔ		\$J	60	60		1.0		10	500m	20	1Δ				PE		T039	A
32#	BC345	800m	100MΔ		\$J	80	80		1.0		10	150m	20	1Δ				PE		T039	A
33#	BFT79	800m	100MΔ	4.5m	\$A	90	60	5.0	1.0	100n	10	100m	50	1Δ				PE		T039	A
34#	BFT80	800m	100MΔ	4.5m	\$A	70	60	5.0	1.0	100n	10	100m	75	1Δ				PE		T039	A
35#	BFT81	800m	100MΔ	4.5m	\$A	60	50	5.0	1.0	100n	10	100m	100	1Δ				PE		T039	A
36#	BFX38	800m	100MΔ	4.5m	\$J	55	55	5.0	1.0	50n	5.0	100u	65	1				DPE		T05	A
37#	BFX39	800m	100MΔ	4.5m	\$J	55	55	5.0	1.0	50n	5.0	100u	65	1				DPE		T05	A
38#	BFX40	800m	100MΔ	4.5m	\$J	75	75	5.0	1.0	50n	5.0	100u	125	1				DPE		T05	A
39#	BFX41	800m	100MΔ	4.5m	\$J	75	75	5.0	1.0	50n	5.0	100u	125	1				DPE		T05	A
40#	BSX40	800m	100MΔ	4.5m	\$J	30	30	5.0	500m	25n	10	10m	40	1Δ				PE		T039	A
41	HSE127-RT	800m	100MΔ	6.4m	\$J	70	50	5.0		200n	5.0	150m	50	1Δ				PE		T05	A
42	HSE149-RT	800m	100MΔ	6.4m	\$J	60	40	3.0		1.0u	1.0	150m	30	1Δ				PE		T05	A
43	HSE168-RT	800m	100MΔ	6.4m	\$J	60	40	4.0		1.0u	5.0	150m	30	1Δ				PE		T05	A
44	HSE174-RT	800m	100MΔ	6.4m	\$J	100	90	4.0		500n	1.0	150m	75	1Δ				PE		T05	A
45	MSB492	800m	100M				-25		-2		-1	-2m	80	1Δ				PE		T092	A
46#	SK100	800m	100MΔ		\$J	60	50	6.0	500m	1.0u	5.0	150m	40	1Δ				PE		T039	A
47#	SK101	800m	100MΔ		\$J	40	30	5.0	500m	1.0u	5.0	150m	40	1Δ				PE		T039	A
48#	SK102	800m	100MΔ		\$J	30	30	3.5	1.0	1.0u	5.0	500m	40	1Δ				PE		T039	A
49#	2SB564	800m	110M	6.4m	\$J	30	25	5.0	1.0	100n	1.0	100m	200	1				PE		T05	A
50	2N2800T	800m	120MΔ	4.5m	\$S	50	35	5.0	800m	10u#	10	10m	20	Δ				E		T05	A
51	2N2800S1	800m	120MΔ	4.5m	\$S	50	35	5.0	800m	100n	10	100u	20	Δ				E		T05	A
52	2N2801T	800m	120MΔ	4.5m	\$S	50	35	5.0	800m	10u#	10	10m	30	Δ				D		R195e	B
53#	2SA949	800m	120M	6.4m	\$J	150	150	5.0	50m	100n	5.0	10m	130	1				PE		S26	B
54#	2SA1154	800m	120M	6.4m	\$J	150	150	5.0	700m	100n	1.0	10m	200	1				D		S6a	B
55#	2SB605	800m	120M	6.4m	\$J	60	50	5.0	700m	100n	1.0	10m	200	1				PE		T05	A
56	C055	800m	120M		\$J		-20		-1		-1		50	1Δ				PE		T092	A
57	C155	800m	120M		\$J		-25		-2		-1		50	1Δ				PE		T092	A
58	2N3072T	800m	130MΔ	4.5m	\$J	60	60	4.0	500m	0.1u	10	10m	25	Δ		1.2m	1.5k	26		T05	A
59	2N3120T	800m	130MΔ	4.5m	\$J	45	45	4.0	500m	0.1u	5.0	10m	25	Δ		1.2m	1.5k	26		T05	A
60#	2SA503T	800m	130M	5.3m	\$J	60	50	5.0	600m	50u	2.0	150m	30	1Δ				PE		T039	A
61#	2SA504T	800m	130M	5.3m	\$J	40	30	5.0	600m	50u	2.0	150m	30	1Δ				PE		T039	A
62#	2SA850	800m	130M	7.3m	\$J	100	100	5.0	500m	1.0u	10	10m	130	1				PE		T092	A
63#	BCW92K	800m	135MΔ	6.4m	\$J	50	40	5.0	800m	30n	2.0	150m	100	1Δ				PE		R198	A
64#	BCW93K	800m	135MΔ	6.4m	\$J	70	50	5.0	800m	30n	2.0	150m	100	1Δ				PE		R198	A
65	2N4032T	800m	150MΔ	4.5m	\$J	60	50	5.0	1.0	0.5u	5.0	10m	75	1Δ				PE		T05	A
66	2N4033T	800m	150MΔ	4.5m	\$J	80	30	5.0	1.0	0.5u	5.0	10m	75	1Δ				PE		T05	A
67	JAN2N4033T	800m	150MΔ	4.5m	\$J	80	30	5.0	1.0	10n	5.0	100m	100	1#				PE		T039	A
68#	2SA560	800m	150M		\$S	80	60	5.0	800m	50u	2.0	150m	60	1				PE		T039	A
69#	BFR791	800m	150M	6.4m	\$S	90	30	5.0	1.0	100n	10	1.0	20	1#				PE		T092	B
70#	BFR79T05T	800m	150M	6.4m	\$S	90	30	5.0	1.0	100n	10	1.0	25	1#				PE		R188	B
71#	BFR80T	800m	150M	6.4m	\$S	70	30	5.0	1.0	100n	10	1.0	25	1#				PE		T092	B
72#	BFR80T05T	800m	150M	6.4m	\$S	70	30	5.0	1.0	100n	10	1.0	25	1#				PE		R188	B
73#	BFR81T	800m	150M	6.4m	\$S	60	50	5.0	1.0	100n	10	1.0	25	1#				PE		T092	B
74#	BFR81T05T	800m	150M	6.4m	\$S	60	50	5.0	1.0	100n	10	1.0	25	1#				PE		R188	B
75	BFX38T	800m	150M	4.5m	\$J	55	55	5.0	1.0	50n	5.0	100u	90	1				AN		T039	A
76	BFX39T	800m	150M	4.5m	\$J	55	55	5.													