

# LOW-POWER SILICON NPN

Item Number	Part Number	Manufacturer	V <sub>(BR)CEO</sub> (V)	h <sub>FE</sub>	I <sub>C</sub> Max (A)	f <sub>T</sub> (Hz)	C <sub>obo</sub> Max (F)	I <sub>CBO</sub> Max (A)	V <sub>(BR)CBO</sub> (V)	P <sub>D</sub> Max (W)	Derate at (W/°C)	T <sub>Oper</sub> Max (°C)	Package Style
<b>V(BR)CEO &gt;= 70 V, (Cont'd)</b>													
-	MPS5858	Motorola	80	1.0	1.0	100M	15p	100n	80	625m	5.0m	150 J	TO-92
-	BFR50	NthAmerSemi	80	10	1.0	60M	8.0p	50n	80	800m	6.4m	150 J	TO-92
-	TIPP31B	TexslnstLtd	80	10	2.0			300u	80	0.8		150 J	TO-92
-	ST4341	SemiconTech	80	15	150m		50p	100u	80	1.0		175 J	TO-5
5	BSW65	NthAmerSemi	80	15	1.0	80M		100u	80	800m	4.5m	175 J	TO-5
-	BSW65	PhilipsElec	80	15	1.0	80M		100u	80	800m	4.5m	175 J	TO-5
-	2N1572	See Index	80	20	50m		10p	1.0u	125	600m	4.0m	175 S	TO-5
-	2N738	See Index	80	20	50m		10p	1.0u	125	500m	3.3m	175 S	TO-18
-	2N2517	See Index	80	20	50m	30M	6.0p	5.0n	125	400m	2.2m	175 S	TO-46
-	2N755	See Index	80	20	50m	30M	10p	1.0u	100	300m	3.0m	175 S	TO-18
10	BSS64	See Index	80	20	100m	60M	5.0p	100n	120	225m	1.8m	150 J	SOT-23
-	2N2086	See Index	80	20	500m	150M	12p	2.0u	120	600m	4.0m	175 J	TO-5
-	SOR1893 (A)	ThmsnCSFEFC	80	20	800m	50M		10n	120	310m	2.2m	150 J	TO-236
-	BSW39-6	NthAmerSemi	80	20	1.0	50M		30n	100	790m	4.5m	175 J	TO-39
15	BC344	See Index	80	20	1.0	100M	20p			800m			TO-39
-	2N2858	See Index	80	20	3	1.0M			100	600m	5.9m	175 J	TO-5
-	2N2852	See Index	80	20	3.0	30M	125p	100n	100	850m	5.0m	175 S	TO-52var
-	2N719	See Index	80	25	40M	20M	20p	2.0u	120	400m	10m	175 J	TO-18
-	2N2509	See Index	80	25	200m	45M	6.0p	5.0n	125	360m		175 C	TO-18
20	ESM639	Mistral SpA	80	25	1.0	130M		100n	100	800m	6.0m	150 J	N/A
-	BSS45	Telefunken	80	25	5.0			500n	85	870m	5.0m	175 J	TO-39
-	BSS45	NthAmerSemi	80	25	5.0			500n	85	870m	5.0m	175 J	TO-39
-	25C696A	Elec Trans	80	28	3.0	35M		3.0u	130	750m	5.0m	175 J	TO-39
25	2N2890	See Index	80	30		50M	120p	100n	100	800m	5.0m	175 J	TO-5
-	2N720A	See Index	80	30		50M	15p	10n	120	500m	10m	175 J	TO-18
-	BFY80	See Index	80	30	100m	50M	8.0p	500u	100	870m	6.7m	175 J	TO-18
-	MPSH04	See Index	80	30	100m	80M		50n	80	300m	2.7m	135 J	TO-226AA
-	2N1893	See Index	80	30	500m	50M	15p	10n	120	800m		175 J	TO-39
-	2N2316	See Index	80	30	500m	50M	20p	25n	120	350m	2.3m	175 J	TO-46
30	BCX31	NthAmerSemi	80	30	500m	80M		100n	100	880m	5.9m	150 J	N/A
-	2N1893A	See Index	80	30	500m	100M	8.0p	10n	140	800m	4.5m	175 J	TO-5
-	2N4239	See Index	80	30	1	1.0M	100p	100u	100	800m	4.5m	175 J	TO-5
-	BSW39-10	NthAmerSemi	80	30	1.0	50M		30n	100	790m	4.5m	175 J	TO-39
35	UPT113	Unitrode	80	30	1.0	50M	50p	10u	100	850m	40m	175 J	TO-5
-	2N2243	See Index	80	30	1	50M	15p	.01u	120	800m	4.5m	175 J	TO-5
-	2N2243A	See Index	80	30	1	50M	15p	.01u	120	800m	4.5m	175 J	TO-5
-	2N3020	See Index	80	30	1.0	80M	12p	10n	140	800m	4.6m	175 J	TO-39
-	2N3056A	See Index	80	30	1	80M	12p	.01u	140	400m	2.3m	175 J	TO-46
-	2N3701	See Index	80	30	1	80M	12p	.01u	140	500m	2.9m	175 S	TO-18
40	25C485	Elec Trans	80	30	1.5	20.M		10u	120	800m	6.7m	150 J	TO-39
-	UPT213	Unitrode	80	30	2.0	70M	50p	10u	100	850m	40m	175 J	TO-5
-	2N2198	See Index	80	35	200m	4.0M	120p	15u	80	600m	5.6m	175 S	TO-5
-	2N981	See Index	80	36	100m	50M	5.0p	1.0u	80	500m	2.8m	175 A	TO-18
-	BC300-4	Micro Elecs	80	40				20n	120	850m	40m	175 J	TO-39
-	BC300-4	Semlab	80	40				20n	120	850m	40m	175 J	TO-39
-	BFW33	See Index	80	40		50M	15p	.01u	120	800m	4.5m	175 J	TO-5
-	HSE186	Hybrid Semi	80	40		50M		1.0u	100	800m	6.4m	150 J	TO-5
-	TL3568	ThmsnCSFEFC	80	40		60M	20p	50n	80				TO-105
-	BSW32	NthAmerSemi	80	40	30m			1.0u	100	250m	2.0m	150 S	TO-92
50	2N1573	See Index	80	40	50m		10p	1.0u	125	600m	4.0m	175 S	TO-5
-	2N739	See Index	80	40	50m		10p	1.0u	125	500m	3.3m	175 S	TO-18
-	2N845	See Index	80	40	50m	50M	10p	50u	100	300m	3.0m	175 S	TO-18
-	2N2518	See Index	80	40	50m	60M	6.0p	5.0n	125	400m	2.2m	175 S	TO-46
-	2N739A	See Index	80	40	50m	60M	6.0p	5.0n	125	500m	2.8m	175 S	TO-18
-	KT503D	V/O Electro	80	40	300m	50M		80	500m	4.0m	150 J	TO-92	
-	BSY55	See Index	80	40	500m	100M		10n	120	800m		175 J	TO-39
-	2N2087	See Index	80	40	500m	150M	12p	2.0u	120	600m	4.0m	175 J	TO-5
-	SO1893R	ThmsnCSFEFC	80	40	0.8	50M	15p			350m	2.8m	150 J	TO-236
-	TP3701	SprgueElec	80	40	800m	80M	12p	10n	140				TO-226
60	MA8002	See Index	80	40	800m	130M	10p	10n	120	800m	4.7m	175 J	TO-5
-	25D221	Sanken Elec	80	40	1.0	8.0M		1.0u	110	500m	4.0m	150 J	TO-5
-	25D221	Elec Trans	80	40	1.0	8.0M		1.0u	110	500m	4.0m	150 J	TO-5
-	AST2243	SemiconTech	80	40	1.0	50M	15p	10n	120	625m	5.0m	150 S	TO-92var
-	BSW39-16	NthAmerSemi	80	40	1.0	50M		30n	100	790m	4.5m	175 J	TO-39
65	2N2243AL	Semlab	80	40	1.0	50M				800m			TO-5
-	2N2243L	Semlab	80	40	1.0	50M				800m			TO-5
-	2N2364	See Index	80	40	1	50M	15p	.01u	120	400m	2.3m	175 J	TO-46
-	2N2364A	See Index	80	40	1	50M	15p	.01u	120	400m	2.3m	175 J	TO-46
-	BFR77	Semi Inc	80	40	1.0	80M	12p	10n	120	800m	4.5m	175 J	TO-39
70	BFR77	Micro Elecs	80	40	1.0	80M	12p	10n	120	800m	4.5m	175 J	TO-39
-	BFR77	Advncd Semi	80	40	1.0	80M	12p	10n	120	800m	4.5m	175 J	TO-39
-	BC639	See Index	80	40	1.0	130M		100n	100	800m	6.0m	150 J	TO-92
-	2N3036	See Index	80	40	1.2	50M	15p	.01u	120	800m	4.5m	175 S	TO-5
75	2N3036L	Semlab	80	40	1.2	50M				800m		175 S	TO-5
-	2N2850	See Index	80	40	3.0	30M	125p	100n	100	850m	5.0m	175 S	TO-52var
-	2N2851	See Index	80	40	3.0	30M	125p	100n	100	850m	5.0m	175 S	TO-52var
-	2N3421LP	Semlab	80	40	3.0	40M				800m			TO-39
-	2N4897	See Index	80	40	5.0	50M	80p	1.0m	150	800m	4.5m	175 J	TO-39
-	2N720	See Index	80	45		50M	20p	2.0u	120	400m	10m	175 J	TO-18
80	2N2435	See Index	80	45	500m	80M	15p	1.0n	120	500m	2.8m	175 J	TO-46
-	BC535	See Index	80	50		50M		100n	80	625m		150 J	TO-92
-	HSE126	Hybrid Semi	80	50		50M		1.0u	100	800m	6.4m	150 J	TO-5
-	2N2891	See Index	80	50		50M	120p	100n	100	800m	5.0m	175 J	TO-5
85	MMBT-A06	Motorola	80	50		100M		100n		350m	2.8m	150 S	SOT-89
-	HT2	FerrantiLtd	80	50	100m	60M	10p	100n	90	300m		175	SOT-89
-	TMPTA06	SprgueElec	80	50	100m	100M		100n	80	350m		150 J	TO-236
-	25C218	RF Gain	80	50	300m			.10u	80	650m	4.3m	175 J	TO-5
-	BC447	NthAmerSemi	80	50	300m	100M		100n	80	625m	5.0m	150 J	TO-226AA
-	BC447	Motorola	80	50	300m	100M		100n	80	625m	5.0m	150 J	TO-226AA
90	BC447	ITTSemlntr	80	50	300m	100M		100n	80	625m	5.0m	150 J	TO-226AA
-	BC447-18	Motorola	80	50	300m	100M		100n	80	625m	5.0m	150 J	TO-18
-	BC447-5	Motorola	80	50	300m	100M		100n	80	625m	5.0m	150 J	TO-5
-	25C149	Solid Stnc	80	50	300m	16							

