

LOW-POWER SILICON NPN

Item Number	Part Number	Manufacturer	V _{(BR)CEO} (V)	h _{FE}	I _C Max (A)	f _T (Hz)	C _{obo} Max (F)	I _{CBO} Max (A)	V _{(BR)CBO} (V)	P _D Max (W)	Derate at (W/°C)	T _{Oper} Max (°C)	Package Style
V_{(BR)CEO} ≥ 30 V, (Cont'd)													
-	2SC802	Solid Stnc	35	30	500m	180M	5.0p	5.0u	60	1.0	6.6m	175 J	TO-5
-	BFY50	See Index	35	30	1.0	60M	12p	50n	80	800m	4.6m	175 J	TO-205AD
-	BFX50	Micro Elecs	35	30	1.0	150M	12p	100n	80	350m	2.0m	175 J	TO-18
-	BFX50	NthAmerSemi	35	30	1.0	150M	12p	100n	80	350m	2.0m	175 J	TO-18
5	NB311E	Natl Semi	35	30	1.5	20M	10p	500n	40	600m		150 J	TO-92
-	NB311F	Natl Semi	35	30	1.5	20M	10p	500n	40	600m		150 J	TO-92
-	NB311X	Natl Semi	35	30	1.5	20M	10p	500n	40	600m		150 J	TO-92
-	NB311Y	Natl Semi	35	30	1.5	20M	10p	500n	40	600m		150 J	TO-92
-	TP5189	SprgueElec	35	35	800m	300M	12p	500u	60			150 J	TO-226
10	2N1104	See Index	35	40	20m	20M	3.0p	1.0u	45	125m	1.0m	150 S	TO-5
-	2SC1571	Sanyo Elect	35	40	100m	100M		100n	40	200m		125	TO-92var
-	2SC1571L	Sanyo Elect	35	40	100m	100M		100n	40	200m		125	TO-92var
-	2SC1213	Hitachi Ltd	35	40	500m			500n	35	400m	4.0m	125 J	SPAkvar
-	2SC1213	Elec Trans	35	40	500m			500n	35	400m	4.0m	125 J	SPAkvar
-	2SC1213	Solid Stnc	35	40	500m			500n	35	400m	4.0m	125 J	SPAkvar
-	2N2297	See Index	35	40	1.0	60M	12p	10n	80	800m	4.6m	175 J	TO-39
-	BSY83	NthAmerSemi	35	40	1.0	100M	15p	10n	80	900m	5.1m	175 J	TO-39
-	BSY83	Micro Elecs	35	40	1.0	100M	15p	10n	80	900m	5.1m	175 J	TO-39
-	ZTX301	FerrantiLtd	35	50	500m	150M	6.0p	200n	35	300m	2.0m	175 S	TO-92
20	2N3881	See Index	35	50	1.0	70M	25p	1.0u	60	600m	3.3m	175 S	TO-5
-	2SC798	Solid Stnc	35	50	1.5	90.M	9.0p	5.0u	60	700m	4.8m	175 J	TO-5
-	2N337A	See Index	35	55	20m	30.M	2.0p	50u	45	500m	3.3m	150 J	TO-5
-	NB211EX	Natl Semi	35	58	500m	50M	3.5p	500n	40	600m		150 J	TO-92
-	NB211FX	Natl Semi	35	58	500m	50M	3.5p	500n	40	600m		150 J	TO-92
-	NB211XX	Natl Semi	35	58	500m	50M	3.5p	500n	40	600m		150 J	TO-92
-	NB211YX	Natl Semi	35	58	500m	50M	3.5p	500n	40	600m		150 J	TO-92
-	BFX74	See Index	35	60		90M	31p	1.0u	50	600m	3.4m	175 J	TO-5
-	2SC2618	Hitachi Ltd	35	60	500m					150m			TO-236
-	2SC3553	Hitachi Ltd	35	60	500m			0.5u	35	300m		150 J	SPAk
30	BFX86	See Index	35	70	1	50M	12p	.05u	40	800m	4.5m	175 J	TO-39
-	BFW60	NthAmerSemi	35	75	500m	130M		500n	40	350m	3.5m	125 J	N/A
-	NB211EG	Natl Semi	35	85	500m	50M	3.5p	500n	40	600m		150 J	TO-92
-	NB211FG	Natl Semi	35	85	500m	50M	3.5p	500n	40	600m		150 J	TO-92
-	NB211XG	Natl Semi	35	85	500m	50M	3.5p	500n	40	600m		150 J	TO-92
-	NB211YG	Natl Semi	35	85	500m	50M	3.5p	500n	40	600m		150 J	TO-92
-	2N338A	See Index	35	99	20m	45.M	2.0p	.50u	45	500m	3.3m	150 J	TO-5
-	ZTX302	FerrantiLtd	35	100	500m	150M	6.0p	200n	35	300m	2.0m	175 S	TO-92
-	BSY84	Micro Elecs	35	100	1.0	100M	15p	10n	80	900m	5.1m	175 J	TO-39
-	BSY84	NthAmerSemi	35	100	1.0	100M	15p	10n	80	900m	5.1m	175 J	TO-39
40	BFW59	NthAmerSemi	35	110	500m	130M		500n	40	350m	3.5m	125 J	ZIP
-	2SC1449	NEC Corp JA	35	120	2.0	60M		500n	40	750m	6.0m	150 J	TO-126var
-	2SC1449	NECElecsInc	35	120	2.0	60M		500n	40	750m	6.0m	150 J	TO-126var
-	NB111EH	Natl Semi	35	127	100m	100M	2.0p	100n	40	600m		150 J	TO-92
-	NB111FH	Natl Semi	35	127	100m	100M	2.0p	100n	40	600m		150 J	TO-92
-	NB211EH	Natl Semi	35	127	500m	50M	3.5p	500n	40	600m		150 J	TO-92
-	NB211FH	Natl Semi	35	127	500m	50M	3.5p	500n	40	600m		150 J	TO-92
-	NB211XH	Natl Semi	35	127	500m	50M	3.5p	500n	40	600m		150 J	TO-92
-	NB211YH	Natl Semi	35	127	500m	50M	3.5p	500n	40	600m		150 J	TO-92
-	2N3462	Space Power	35	150	30m	10M	6.0p	10u	50	300m	2.0m	175 S	TO-18
50	2N3462	Hybrid Semi	35	150	30m	10M	6.0p	10u	50	300m	2.0m	175 S	TO-18
-	2N3462	CrimsonSemi	35	150	30m	10M	6.0p	10u	50	300m	2.0m	175 S	TO-18
-	NB011ET	Natl Semi	35	150	30m	120M	2.0p	100n	40	600m		150 J	TO-92
-	NB011FT	Natl Semi	35	150	30m	120M	2.0p	100n	40	600m		150 J	TO-92
-	NB013ET	Natl Semi	35	150	30m	120M	2.0p	50n	40	600m		150 J	TO-92
55	NB013FT	Natl Semi	35	150	30m	120M	2.0p	50n	40	600m		150 J	TO-92
-	2SC1840	NEC Corp JA	35	150	100m	50M	8.0p	50n	40	500m		125 J	TO-92
-	NB011EI	Natl Semi	35	180	30m	120M	2.0p	100n	40	600m		150 J	TO-92
-	NB011FI	Natl Semi	35	180	30m	120M	2.0p	100n	40	600m		150 J	TO-92
-	NB013EI	Natl Semi	35	180	30m	120M	2.0p	50n	40	600m		150 J	TO-92
60	NB013FI	Natl Semi	35	180	30m	120M	2.0p	50n	40	600m		150 J	TO-92
-	2SC2405	Matsushita	35	180	50m			100n	35	200m		125 J	SOT-89
-	NB111EI	Natl Semi	35	180	100m	100M	2.0p	100n	40	600m		150 J	TO-92
-	NB111FI	Natl Semi	35	180	100m	100M	2.0p	100n	40	600m		150 J	TO-92
-	NB211EI	Natl Semi	35	180	500m	50M	3.5p	500n	40	600m		150 J	TO-92
65	NB211FI	Natl Semi	35	180	500m	50M	3.5p	500n	40	600m		150 J	TO-92
-	NB211XI	Natl Semi	35	180	500m	50M	3.5p	500n	40	600m		150 J	TO-92
-	NB211YI	Natl Semi	35	180	500m	50M	3.5p	500n	40	600m		150 J	TO-92
-	NB011EY	Natl Semi	35	190	30m	120M	2.0p	100n	40	600m		150 J	TO-92
-	NB011FY	Natl Semi	35	190	30m	120M	2.0p	100n	40	600m		150 J	TO-92
70	NB013EY	Natl Semi	35	190	30m	120M	2.0p	50n	40	600m		150 J	TO-92
-	NB013FY	Natl Semi	35	190	30m	120M	2.0p	50n	40	600m		150 J	TO-92
-	NB111EY	Natl Semi	35	190	100m	100M	2.0p	100n	40	600m		150 J	TO-92
-	NB111FY	Natl Semi	35	190	100m	100M	2.0p	100n	40	600m		150 J	TO-92
-	NB211EY	Natl Semi	35	190	500m	50M	3.5p	500n	40	600m		150 J	TO-92
75	NB211FY	Natl Semi	35	190	500m	50M	3.5p	500n	40	600m		150 J	TO-92
-	NB211XY	Natl Semi	35	190	500m	50M	3.5p	500n	40	600m		150 J	TO-92
-	NB211YY	Natl Semi	35	190	500m	50M	3.5p	500n	40	600m		150 J	TO-92
-	TMPC1622	SprgueElec	35	200		100M		50n	40				N/A
-	MMBC1622D6	SprgueElec	35	200	100m	100M		50n	40	225m	1.8m	150 J	SOT-23
80	MMBC1622D6	Samsung	35	200	100m	100M		50n	40	225m	1.8m	150 J	SOT-23
-	MMBC1622D6	Motorola	35	200	100m	100M		50n	40	225m	1.8m	150 J	SOT-23
-	2SC1840P	NEC Corp JA	35	200	100m	100M	8p	50n	40	500m	5m	125 J	TO-92
-	2SC1840P	NECElecsInc	35	200	100m	100M	8p	50n	40	500m	5m	125 J	TO-92
-	BC152	NthAmerSemi	35	220	500m	180M		500n	35	360m	2.8m	150 J	TO-98
-	BC175	See Index	35	220	500m	180M		500n	35	560m	4.5m	150 J	TO-92var
-	NB011EJ	Natl Semi	35	260	30m	120M	2.0p	100n	40	600m		150 J	TO-92
-	NB011FJ	Natl Semi	35	260	30m	120M	2.0p	100n	40	600m		150 J	TO-92
-	NB013EJ	Natl Semi	35	260	30m	120M	2.0p	50n	40	600m		150 J	TO-92
-	NB013FJ	Natl Semi	35	260	30m	120M	2.0p	50n	40	600m		150 J	TO-92
90	2SC1787	Elec Trans	35	260	50m			100n	35	150m		125 J	SPAkvar
-	PET8001	SemiconTech	35	260	100m	40M	2.5p	.01u	50	360m	3.6m	125 J	TO-106
-	PET8003	SemiconTech	35	260	100m	40M	2.5p	.01u	50	360m	3.6		