

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)													
-	NB211XJ	Natl Semi	35	260	500m	50M	3.5p	500n	40	600m		150 J	TO-92
-	NB211YJ	Natl Semi	35	260	500m	50M	3.5p	500n	40	600m		150 J	TO-92
-	MMBC1622D7	Samsung	35	300	100m	100M		50n	40	225m	1.8m	150 J	SOT-23
-	MMBC1622D7	Motorola	35	300	100m	100M		50n	40	225m	1.8m	150 J	SOT-23
5	MMBC1622D7	SprgueElec	35	300	100m	100M		50n	40	225m	1.8m	150 J	SOT-23
-	2SC1840F	NEC Corp JA	35	300	100m	100M	8p	50n	40	500m	5m	125 J	TO-92
-	2SC1840F	NECElecsInc	35	300	100m	100M	8p	50n	40	500m	5m	125 J	TO-92
-	NB011EU	Natl Semi	35	320	30m	120M	2.0p	100n	40	600m		150 J	TO-92
-	NB011FU	Natl Semi	35	320	30m	120M	2.0p	100n	40	600m		150 J	TO-92
10	NB013EU	Natl Semi	35	320	30m	120M	2.0p	50n	40	600m		150 J	TO-92
-	NB013FU	Natl Semi	35	320	30m	120M	2.0p	50n	40	600m		150 J	TO-92
-	NB011EK	Natl Semi	35	380	30m	120M	2.0p	100n	40	600m		150 J	TO-92
-	NB011FK	Natl Semi	35	380	30m	120M	2.0p	100n	40	600m		150 J	TO-92
-	NB013EK	Natl Semi	35	380	30m	120M	2.0p	50n	40	600m		150 J	TO-92
15	NB013FK	Natl Semi	35	380	30m	120M	2.0p	50n	40	600m		150 J	TO-92
-	NB013FL	Natl Semi	35	380	30m	120M	2.0p	50n	40	600m		150 J	TO-92
-	PET8002	SemiconTech	35	400	100m	40M	2.5p	.01u	50	360m	3.6m	125 J	TO-106
-	PET8004	SemiconTech	35	400	100m	40M	2.5p	.01u	50	360m	3.6m	125 J	TO-106
-	MMBC1622D8	Motorola	35	400	100m	100M		50n	40	350m	2.8m	150 J	SOT-89
20	MMBC1622D8	Samsung	35	400	100m	100M		50n	40	350m	2.8m	150 J	SOT-89
-	MMBC1622D8	SprgueElec	35	400	100m	100M		50n	40	350m	2.8m	150 J	SOT-89
-	TMPT1622D6	SprgueElec	35	400	100m	100M		50n	40	350m		150 J	TO-236
-	2SC1840E	NEC Corp JA	35	400	100m	100M	8p	50n	40	500m	5m	125 J	TO-92
-	2SC1840E	NECElecsInc	35	400	100m	100M	8p	50n	40	500m	5m	125 J	TO-92
25	2SC1842P	NECElecsInc	35	400	100m	100M	3.0p	50n	40	250m		125 J	TO-92
-	2SC900	See Index	35	500	100m	100M	3.5p	50n	40	250m	2.5m	125 J	TO-92
-	2SC923	See Index	35	500	100m	100M	3.5p	50n	40	250m	2.5m	125 J	TO-92
-	NB011EL	Natl Semi	35	580	30m	120M	2.0p	100n	40	600m		150 J	TO-92
-	NB011EZ	Natl Semi	35	580	30m	120M	2.0p	100n	40	600m		150 J	TO-92
30	NB011FL	Natl Semi	35	580	30m	120M	2.0p	100n	40	600m		150 J	TO-92
-	NB011FZ	Natl Semi	35	580	30m	120M	2.0p	100n	40	600m		150 J	TO-92
-	NB013EL	Natl Semi	35	580	30m	120M	2.0p	50n	40	600m		150 J	TO-92
-	NB013EZ	Natl Semi	35	580	30m	120M	2.0p	50n	40	600m		150 J	TO-92
35	NB013FZ	Natl Semi	35	580	30m	120M	2.0p	50n	40	600		150 J	TO-92
-	2SC1842	NEC Corp JA	35	580	100m	100M	3.0p	50n	40	250m	2.5m	125 J	TO-92
-	TMPT1622D7	SprgueElec	35	600	100m	100M		50n	40	350m		150 J	TO-236
-	2SC1312	Solid StInc	35	600	100m	100M		100n	35	150m	1.5m	125 J	TO-92
-	2SC1312	Elec Trans	35	600	100m	100M		100n	35	150m	1.5m	125 J	TO-92
-	2SC1842F	NECElecsInc	35	600	100m	100M	3.0p	50n	40	250m		125 J	TO-92
40	NB011EV	Natl Semi	35	700	30m	120M	2.0p	100n	40	600m		150 J	TO-92
-	NB011FV	Natl Semi	35	700	30m	120M	2.0p	100n	40	600m		150 J	TO-92
-	NB013EV	Natl Semi	35	700	30m	120M	2.0p	50n	40	600m		150 J	TO-92
-	NB013FV	Natl Semi	35	700	30m	120M	2.0p	50n	40	600m		150 J	TO-92
45	2SC1842E	NECElecsInc	35	800	100m	100M	3.0p	50n	40	250m		125 J	TO-92
-	TMPT1622D8	SprgueElec	35	900	100m	100M		50n	40	350m		150 J	TO-236
-	2SC1842U	NECElecsInc	35	1.2k	100m	100M	3.0p	50n	40	250m		125 J	TO-92
-	40637A	SemiconTech	36		200m		4.0p	500u	40	750m	4.2m	175 J	TO-18
-	MMBT2905	Natl Semi	40				8.0p	100n	60	500m		175 J	TO-236var
-	40084	See Index	40		1.0	100M	15p	250n	60	400m	3.3m	175 J	TO-18
50	SML5001	Semelab	40		2.0	50M				400m		175 J	TO-46
-	SML5006	Semelab	40		2.0	50M				400m		175 J	TO-46
-	SML5011	Semelab	40		2.0	50M				400m		175 J	TO-46
-	2N2610	See Index	40	9.0	25m			2.0u	45	150m	1.2m	150 S	TO-22var
-	2N1588	See Index	40	9.0	25m	5.0M	30p	1.0u	60	125m	2.0m	100 S	TO-22var
55	2N619	Space Power	40	9.0	50m	200k	22p	100n	50	250m	540u	150 S	TO-5
-	2N619	Diode Trans	40	9.0	50m	200k	22p	100n	50	250m	540u	150 S	TO-5
-	2N619	CrimsonSemi	40	9.0	50m	200k	22p	100n	50	250m	540u	150 S	TO-5
-	T1480	SemiconTech	40	9.0	60m			2.0u	50	600m	6.0m	125 J	TO-11
-	2N707A	See Index	40	9	100m	70.M	6p	1.0u	70	500m	3.3m	175 S	TO-18
60	2N716	See Index	40	10	100m	70.M	6p	1.0u	70	500m	3.3m	175 S	TO-18
-	T1PP31	TexInstLtd	40	10	2.0			300u	40		0.8	150 J	TO-92
-	2N2529	See Index	40	12	25m	6.0M	3.0p	50n	45	150m	1.0m	175 S	TO-18
-	CK419	SemiconTech	40	15	50m	10.M	5.0p	.10u	50	250m	1.9m	150 J	TO-5
65	CK474	SemiconTech	40	15	50m	10.M	5.0p	1.0u	50	250m	1.9m	150 J	TO-5
-	2N2314	See Index	40	15	500m	40M	35p	25n	60	350m	2.3m	175 J	TO-46
-	2N2194	See Index	40	15	1	50M	20p	.01u	60	800m	4.5m	175 J	TO-5
-	2N2194A	See Index	40	15	1	50M	20p	.01u	60	800m	4.5m	175 J	TO-5
-	2N2194B	See Index	40	15	1	50M	20p	.01u	60	800m	4.5m	175 J	TO-5
-	2N2530	See Index	40	18	25m	10M	3.0p	50n	45	150m	1.0m	175 S	TO-18
70	2N2533	See Index	40	19	25m	10M	3.0p	50n	45	150m	1.0m	175 S	TO-18
-	BF176	NthAmerSemi	40	20		300	1.2p	50n	40	250m		125 J	TO-105
-	2N1140	See Index	40	20		35M	20p	15u	40	500m	5.0m	175 J	TO-9
-	2N717	See Index	40	20		40M	35p	1.0u	60	400m	10m	175 J	TO-18
-	2S711	SemiconTech	40	20	200m	5.0M		10u	40	600m	833u	100 A	TO-5
75	2S711	Hybrid Semi	40	20	200m	5.0M		10u	40	600m	833u	100 A	TO-5
-	KT385AM2	V/O Electro	40	20	300m			10u	60	300m		125 J	ZIP
-	2N2395	See Index	40	20	300m	40M	30p	.01u	60	450m	2.6m	175 J	Macro-T
-	2N1958	See Index	40	20	500m	100M	18p	.50u	60	600m	4.0m	175 J	TO-5
-	2N1964	Swampscott	40	20	500m	100M	18p	.50u	60	400m	2.7m	175 J	TO-46
80	2N2380	See Index	40	20	500m	100M	14p	4.0u	80	600m	4.0m	175 J	TO-5
-	2N2380A	See Index	40	20	500m	100M	14p	4.0u	80	600m	4.0m	175 J	TO-5
-	2N1081	See Index	40	20	750m		100p	15u	40	600m	5.9m	175 S	TO-5
-	RN5814	Rohm Co Ltd	40	20	750m	100M	15p	100n	50				TO-92
85	RN5814	Rohm Corp	40	20	750m	100M	15p	100n	50				TO-92
-	2N2352	See Index	40	20	1	50M	20p	.01u	60	400m	2.3m	175 J	TO-46
-	2N2352A	See Index	40	20	1	50M	20p	.01u	60	400m	2.3m	175 J	TO-46
-	2N1958A	See Index	40	20	1.0	100M	14p	200n	60	600m		175 J	TO-5
-	2N2856	See Index	40	20	3.0	30M	125p	100n	60	850m	5.0m	175 S	TO-52var
-	2N2886	Space Power	40	22	500m			.10u	50	800m	4.5m	175 J	TO-5
90	2N2886	Hybrid Semi	40	22	500m			.10u	50	800m	4.5m	175 J	TO-5
-	2N2886	CrimsonSemi	40	22	500m			.10u	50	800m	4.5m	175 J	TO-5
-	MPS6567	See Index	40	25			.7p		40	310m	2.9m	13	