

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)													
-	2N1972	See Index	30	40		50M	35p	1.0u	60	600m	4.0m	175 J	TO-5
-	2N909	See Index	30	40		50M	35p	1.0u	60	400m	2.6m	175 J	TO-18
-	ST6600	SemiconTech	30	40		150M	11p	50n	50	400m	2.2m	175 J	TO-18
-	ST6601	SemiconTech	30	40		150M	11p	50n	50	800m	4.5m	175 J	TO-5
5	SA2715	SemiconTech	30	40		180M	3p	2n	50	300m	2.0m	150 J	TO-78
-	BSX70	NthAmerSemi	30	40	500u	100M		100n	75	500m	2.8m	175 J	TO-18
-	2SC562	Elec Trans	30	40	25m				40	130m	1.0m	175 J	TO-72
-	2SC562	RF Gain	30	40	25m				40	130m	1.0m	175 J	TO-72
-	2N479	See Index	30	40	25m	20M	8.0p	500n	30	200m	1.2m	175 S	TO-5
10	2N479A	See Index	30	40	25m	20M	8.0p	500n	30	200m	1.2m	175 S	TO-5
-	BF253	See Index	30	40	30m	150M				300m			TO-92
-	KT215E1	V/O Electro	30	40	40m	5.0M		0.1u		25m		125 J	N/A
-	2N2693	See Index	30	40	50m	42M	5p	.01u	45	300m	2.0m	175 S	TO-18
-	KSC2715	Samsung	30	40	50m	100M	2.0p	100n	35	150m		125 J	SOT-23
15	2SC2669	ToshibaCorp	30	40	50m	100M	2.0p	100n	35	200m	2.0m	125 J	SPAK
-	2SC2715	ToshibaCorp	30	40	50m	100M		100n	35	150m	1.5m	150 J	SOT-89
-	2SC380	See Index	30	40	50m	100M	2.0p	100n	35	300m	3.0m	125 J	TO-92
-	2S731	SemiconTech	30	40	50m	120M	5.0p	1.0u	30	400m	5.6m	100 J	TO-18
-	2S731	Hybrid Semi	30	40	50m	120M	5.0p	1.0u	30	400m	5.6m	100 J	TO-18
20	2S731	Genrl Diode	30	40	50m	120M	5.0p	1.0u	30	400m	5.6m	100 J	TO-18
-	2SC2670	ToshibaCorp	30	40	100m	80M	2.2p	100n	35	200m	2.0m	125 J	SPAK
-	2SC2716	ToshibaCorp	30	40	100m	80M		100n	35	150m	1.5m	125 J	SOT-89
-	2SC941	ToshibaCorp	30	40	100m	120M	2.2p	100n	35	400m	4.0m	125 J	TO-92
-	2SC941	Indust Mexi	30	40	100m	120M	2.2p	100n	35	400m	4.0m	125 J	TO-92
25	BFR36	NthAmerSemi	30	40	150m				40	800m	5.0m	175 J	TO-39
-	BFR36	Diode Trans	30	40	150m				40	800m	5.0m	175 J	TO-39
-	2N2309	See Index	30	40	500m		25p	5.0n	30	600m	4.0m	175 J	TO-5
-	TP4386	SprgueElec	30	40	500m	30M	8.0p	10n	40	500m		150 J	TO-226
-	BFY67	NthAmerSemi	30	40	500m	60M	25p			800m			TO-39
30	BFY67	Micro Elecs	30	40	500m	60M	25p			800m			TO-39
-	SL101	Semi Ltd	30	40	500m	100M	20p	1.0u	40	800m			TO-39
-	2N1837	See Index	30	40	500m	140M	18p	.50u	80	600m	4.0m	175 J	TO-5
-	2N1837A	See Index	30	40	500m	140M	18p	.50u	80	800m	5.3m	175 J	TO-5
35	2N1837B	Space Power	30	40	500m	140M	18p	10n	80	800m	4.5m	175 J	TO-5
-	2N1837B	Hybrid Semi	30	40	500m	140M	18p	10n	80	800m	4.5m	175 J	TO-5
-	2N3641	See Index	30	40	500m	150M	8.0p	50n	60	350m	3.5m	125 J	TO-105
-	2N4436	See Index	30	40	500m	150M	8.0p	50n	60	200m	2.0m	125 J	TO-222AB
-	TP3641	SprgueElec	30	40	500m	250M	8.0p	50n	60	350m			TO-226
-	2N4969	See Index	30	40	500m	250M	8.0p	10n	60	200m	2.0m	150 J	TO-106
40	BSY53	See Index	30	40	750m	100M		10n	75	800m		175 J	TO-39
-	2221	ITT Semilntr	30	40	0.8	150M		10n	60	625m		150 J	TO-92
-	2SD219	Solid StInc	30	40	1.0	8.0M		1.0u	40	500m	4.0m	150 J	TO-5
-	2SD219	Sanken Elec	30	40	1.0	8.0M		1.0u	40	500m	4.0m	150 J	TO-5
-	2SD219	Elec Trans	30	40	1.0	8.0M		1.0u	40	500m	4.0m	150 J	TO-5
45	BFY51	See Index	30	40	1.0	50M	12p	50n	60	800m	4.6m	175 J	TO-205AD
-	2N1941	See Index	30	40	1.0	60M	35p	2.0u	45	600m	4.0m	175 J	TO-5
-	BSX95	See Index	30	40	1.0	100M		10n	75	700m	4.5m	175 J	TO-39
-	SL102	Semi Ltd	30	40	1.0	100M	4.0p	1.0u	30	800m			TO-39
-	SA2254	SemiconTech	30	45				.01u	60	200m		175 J	TO-78
50	A5T3708	SemiconTech	30	45	30m			100n	30	360m	2.9m	150 S	TO-92var
-	A5T3709	SemiconTech	30	45	30m			100n	30	360m	2.9m	150 S	TO-92var
-	A8T3708	SemiconTech	30	45	30m			100n	30	625m	5.0m	150 S	TO-92
-	A8T3709	SemiconTech	30	45	30m			100n	30	625m	5.0m	150 S	TO-92
55	2N3708	See Index	30	45	30m	100M	4.0p	100n	30	360m	2.9m	150 S	TO-92
-	2N3709	See Index	30	45	30m	100M		100n	30	360m	2.9m	150 S	TO-92
-	MPS9632	Semi Inc	30	45	100m					350m			TO-92
-	BFW34	Micro Elecs	30	45	200m	70M	10p			600m			TO-39
-	BFW34	Semi Inc	30	45	200m	70M	10p			600m			TO-39
-	BFW34	Advncd Semi	30	45	200m	70M	10p			600m			TO-39
60	MPS3708	See Index	30	45	200m	100M	4.0p	100n	30	310m	2.9m	150 J	TO-92
-	MPS3709	See Index	30	45	200m	100M	4.0p	100n	30	310m	2.9m	150 J	TO-92
-	ST35	SemiconTech	30	50		11M	7.0p	500n	30	200m	909u	175	N/A
-	SE6001	See Index	30	50		40.M	25p	.50u	40	300m	3.0m	125 J	TO-105
65	2N3728	See Index	30	50		80M	8p	.01u	60	450m	2.6m	175 J	TO-77
-	2N3729	See Index	30	50		80M	8p	.01u	60	450m	2.6m	175 J	TO-77
-	BSX71	NthAmerSemi	30	50	500u	100M		100n	75	500m	2.8m	175 J	TO-18
-	2N1076	See Index	30	50	50m	.40M	65p	1.0u	50	250m	1.9m	150	N/A
-	MPS6512	Motorola	30	50	100m		3.5p	50n	40	625m	5.0m	150 J	TO-226AA
-	MPS6512	GE Solid St	30	50	100m		3.5p	50n	40	625m	5.0m	150 J	TO-226AA
70	2N1491	See Index	30	50	100m		5.0p	100u	30	500m	3.3m	175 C	TO-39
-	2N2432	See Index	30	50	100m	20M	12p	.01u	30	300m	2.0m	175 S	TO-18
-	2N4138	See Index	30	50	100m	20M	12p	.01u	30	300m	2.0m	175 S	TO-46
-	MPS4123	Motorola	30	50	200m	100M	4.0p	50n	40	625m	5.0m	150 J	TO-226AA
-	TP5450	SprgueElec	30	50	500m	100M	12p	100n	50			150 J	TO-226
75	BC282	NthAmerSemi	30	50	600m		5.5p	50n	60	400m	2.2m	175 J	TO-18
-	BC282	CentralSemi	30	50	600m		5.5p	50n	60	400m	2.2m	175 J	TO-18
-	MPS3705	See Index	30	50	600m	100M	12p	100n	50	360m	2.8m	150 J	TO-226AA
-	BFY40	See Index	30	50	800m	60.M	14p	.10u	60	800m	4.5m	175 J	TO-5
-	A8T3705	SemiconTech	30	50	800m	100M	12p	100n	50	625m	5.0m	150 S	TO-92
80	2N5450	See Index	30	50	800m	100M	12p	100n	50	620m	2.9m	150 J	TO-18
-	BSX96	See Index	30	50	1.0	100M		10n	75	700m	4.5m	175 J	TO-39
-	TEC9011F	ToshibaCorp	30	54	50m	100M		100n	50	400m	3.2m	150 J	N/A
-	TEC9011F	Indust Mexi	30	54	50m	100M		100n	50	400m	3.2m	150 J	N/A
85	BFX69	See Index	30	55		80M	18p	10n	75	800m	4.5m	175 J	TO-5
-	D4C30	SemiconTech	30	55	25m	12M	8.0p	2.0u	40	150m	1.4m	125 J	TO-5
-	4C30	SemiconTech	30	55	25m	12M	8.0p	2.0u	40	150m	1.4m	125 J	TO-5
-	NR421FF	Natl Semi	30	58	30m	700M	0.9p	100n	35	600m		150 J	TO-92
-	NA31XX	Natl Semi	30	58	2.0	20M	10p	1.0u	35	750m		150 J	TO-92
-	NA31YX	Natl Semi	30	58	2.0	20M	10p	1.0u	35	750m		150 J	TO-92
90	C426	NthAmerSemi	30	60		80M	12p	100n	60	800m		175 J	TO-5
-	CK421	SemiconTech	30	60	50m	10.M	5.0p	.10u	50	250m	1.9m	150 J	TO-5
-	CK476	SemiconTech	30	60	50m	10.M	5.0p	1.0u	50	250m	1.9m	150 J	TO-5
-	2S732	See Index	30	60	50m	120M	5.0p	1.0u	30	400m	5.6m	100 J	TO-18</