

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 >= 20 V, (Cont'd)													
-	2SC3327	ToshibaCorp	20	1.2k	300m	30M	4.8p	100n	50	200m		125 J	SPAK
-	D4D20	SemiconTech	24	50	25m		4.0p	1.0u	40	150m	1.2m	150 J	TO-5
-	2N2349	See Index	24	120	25m		4.0p	1.0u	40	150m	1.2m	150 J	TO-5
-	D4D21	SemiconTech	24	135	25m		4.0p	1.0u	40	150m	1.2m	150 J	TO-5
5	MMBT3393	Natl Semi	25				3.5p	50n	25				TO-236var
-	MMBT6515	Natl Semi	25				3.5p	50n	4.0				TO-236var
-	2N1763	See Index	25		50m			100n	40	300m	500u	175 S	TO-5
-	2SC563	Elec Trans	25	.38	25m				40	145m	1.2m	175 J	TO-72
-	2SC563	RF Gain	25	.38	25m				40	145m	1.2m	175 J	TO-72
-	2SC563	Solid Stnc	25	.38	25m				40	145m	1.2m	175 J	TO-72
-	PA6013S	Sid Micro	25	1.5			6.0p	200n	25	500m		135 J	TO-92
-	PE108S	Sid Micro	25	2.0	100m		5.0p	100n	30	500m		135 J	TO-92
-	2N1528	Space Power	25	10	20m		8.0p	1.0u	25	150m	1.0m	175 A	TO-5
-	2N1528	Hybrid Semi	25	10	20m		8.0p	1.0u	25	150m	1.0m	175 A	TO-5
-	2N1528	AmerMicroSC	25	10	20m		8.0p	1.0u	25	150m	1.0m	175 A	TO-5
-	2N1082	See Index	25	10	50m		5p	.50u	25	200m	1.5m	175 S	TO-5
-	2N3565	See Index	25	10	50m	40M	4.0p	.50u	30	200m	2.0m	125 J	TO-92
-	2N2864	See Index	25	12	1	150M	13p	.50u	60	800m	4.5m	175 S	TO-5
-	2N1409	See Index	25	15		50M	35p	1.0u	30	600m	4.0m	175 J	TO-5
-	2N1985	See Index	25	15	1.0	40M	45p	5.0u	50	600m	4.7m	150 J	TO-5
-	2N1987	See Index	25	20		40M	35p	5.0u	50	600m	4.8m	150 J	TO-5
-	2S101	See Index	25	20	50m	70M	6p	.50u	25	300m	2.0m	175 J	TO-18
-	2SC3368	Matsushita	25	20	100m		4.0	100u	16	500m	4.0m	150 J	Macro-X
-	2N772	See Index	25	20	100m	75M	3.5p	500n	25	150m	833u	150 S	TO-18
25	2N2195	See Index	25	20	1	50M	20p	.10u	45	600m	3.4m	175 J	TO-5
-	2N2195A	See Index	25	20	1	50M	20p	.10u	45	600m	3.4m	175 J	TO-5
-	2N2195B	See Index	25	20	1.0	50M	20p	100n	45	600m	3.4m	175 J	TO-5
-	2N2353	See Index	25	20	1.0	50M	20p	100n	45	350m	2.0m	175 J	TO-46
-	2N2353A	See Index	25	20	1.0	50M	20p	100n	45	350m	2.0m	175 J	TO-46
30	2N2863	See Index	25	20	1	150M	13p	.50u	60	800m	4.5m	175 S	TO-5
-	2N4875	See Index	25	24	200m			500n	40	720m	4.0m	175 S	TO-39
-	BSY91	NthAmerSemi	25	30		50M	25p	50n	40	800m	4.5m	175 J	TO-5
-	TMPC1009	SprgueElec	25	30		150M		100n	50				N/A
-	2S701	See Index	25	30	20m	8.0M		1.0u	25	100m	2.0m	100 A	TO-5
35	2N1386	See Index	25	30	50m		8.0p	100n	25	300m	2.0m	175 S	TO-5
-	2N1388	See Index	25	30	50m	50M	10p	500n	45	300m	2.0m	175 S	TO-5
-	MMBC1009F1	Motorola	25	30	50m	150M	2.0p	100n	50	225m	1.8m	150 J	SOT-23
-	MMBC1009F1	Samsung	25	30	50m	150M	2.0p	100n	50	225m	1.8m	150 J	SOT-23
-	2N5225	See Index	25	30	100m	50M	20p	300n	25	350m	2.8m	150 S	TO-92
40	BSX25	NthAmerSemi	25	30	300m	50M	25p	100u	40	360m	2.1m	175 J	TO-18
-	6003	Advncd Semi	25	30	500m	150M	12p		25	250m			TO-106
-	6003	Semi Inc	25	30	500m	150M	12p		25	250m			TO-106
-	2N2921	See Index	25	35	100m		12p	500n	25	200m	2.6m	125 S	TO-98
-	2N1472	See Index	25	35	100m	140M	1.0p	500n	25	150m	1.2m	150 S	TO-9
45	BFY39	See Index	25	35	100m	150M	5.0p	.50u	45	300m	2.0m	175 J	TO-18
-	BFY39/1	Intl Device	25	35	100m	150M		.05u	45	300m	2.0m	175 J	TO-18
-	BFY39/1	CentralSemi	25	35	100m	150M		.05u	45	300m	2.0m	175 J	TO-18
-	2N1984	See Index	25	35	1.0	40M	45p	5.0u	50	600m	4.7m	150 J	TO-5
-	BF597	See Index	25	37	25m	550			40	360m	2.4m	150	TO-92
50	BC132	See Index	25	40		40M	4.0p	500n	30	500m	2.0m	125 J	TO-92
-	2S501	See Index	25	40	30m	30M	8.0p	10n	25	300m	2.0m	175 J	TO-18
-	MMBC1009F2	Samsung	25	40	50m	150M	2p	100n	50	350m	2.8m	150 J	SOT-89
-	MMBC1009F2	Motorola	25	40	50m	150M	2p	100n	50	350m	2.8m	150 J	SOT-89
-	MMBC1009F2	SprgueElec	25	40	50m	150M	2p	100n	50	350m	2.8m	150 J	SOT-89
55	2N702	See Index	25	40	50m	150M	3.0p	5.0u	25	300m	2.0m	175 S	TO-18
-	MPS8001	Solid Stnc	25	40	100m	100M		1.0u		350m	2.8m	150 J	TO-92
-	MPS8001	Motorola	25	40	100m	100M		1.0u		350m	2.8m	150 J	TO-92
-	MPS9412	Micro Elecs	25	40	500m			50n	25	350m	2.8m	150 J	TO-92
-	2N5418	See Index	25	40	500m	100M	6.0p	100n	25	400m	4.0m	150 S	TO-98
60	BSY51	See Index	25	40	500m	130M	9.0p	100n	60	800m	4.5m	175 J	TO-39
-	BSX72	Hybrid Semi	25	40	1.0	100M	8.0p	10u	40	700m	5.4m	175 J	TO-39
-	BSX72	NthAmerSemi	25	40	1.0	100M	8.0p	10u	40	700m	5.4m	175 J	TO-39
-	BSX75	NthAmerSemi	25	40	1.0	100M	8.0p	10u	40	430m	3.3m	175 J	TO-18
65	BCY42	See Index	25	45	100m	100M	6p	25n	40	300m	5.0m	175 J	TO-18
-	2N2910	See Index	25	50		55M	12p	10n	45	300m	1.7m	175 J	TO-77
-	2S702	See Index	25	50	20m	12M		1.0u	25	100m	2.0m	100 A	TO-5
-	4104	Semi Inc	25	50	100m	150M	3.0p		25	200m			TO-106
-	4104	Advncd Semi	25	50	100m	150M	3.0p		25	200m			TO-106
-	PN5135	See Index	25	50	200m	40M		300p	30	625m	5.0m	150 S	TO-92
70	MPS6560	See Index	25	50	500m	60M	30p	100n	25	625m	5.0m	150 J	TO-226AA
-	MPSD06	See Index	25	50	500m	100M	10p	1.0u	25	350m	2.8m	150 J	TO-92
-	ZTX300	FerrantiLtd	25	50	500m	150M	6.0p	200n	25	300m	2.0m	175 S	TO-92
-	2SC188	RF Gain	25	50	500m	150M	9.0p	1.0u	40	600m	4.0m	175 J	TO-5
-	2SC188	Elec Trans	25	50	500m	150M	9.0p	1.0u	40	600m	4.0m	175 J	TO-5
75	MPS9417	Semi Inc	25	50	600m					625m			TO-92
-	2SC227	Solid Stnc	25	50	700m			1.0u	25	650m	4.3m	175 J	TO-5
-	2SD596	NECElecsInc	25	50	700m	170M	12p	100n	30	200m		150 J	SOT-23
-	2SD596	NEC Corp JA	25	50	700m	170M	12p	100n	30	200m		150 J	SOT-23
-	MPS5135	SprgueElec	25	50	800m	40M	25p	300n	30	625m	5.0m	150 J	TO-92
-	MPS5135	Motorola	25	50	800m	40M	25p	300n	30	625m	5.0m	150 J	TO-92
80	2N5135	See Index	25	50	800m	40M	25p	300n	30	300m	2.9m	150 J	TO-105
-	C166	Advncd Semi	25	50	2.0	120M				750m			TO-237AA
-	C166	Semi Inc	25	50	2.0	120M				750m			TO-237AA
-	C166P	Semi Inc	25	50	2.0	120M				800m			TO-92
-	C166P	Advncd Semi	25	50	2.0	120M				800m			TO-92
-	MPS3397	See Index	25	55	100m		10p	100n	25	310m	2.9m	135 J	TO-226AA
-	MPS3398	See Index	25	55	100m		10p	100n	25	310m	2.9m	135 J	TO-226AA
-	2N2922	See Index	25	55	100m		12p	500n	25	200m	2.6m	125 S	TO-98
-	2N3397	See Index	25	55	100m		10p	100n	25	200m	2.6m	125 S	TO-98
-	2N3398	See Index	25	55	100m		10p	100n	25	200m	2.6m	125 S	TO-98
90	MPS3394	See Index	25	55	500m	100M	10p	100n	25	310m	2.9m	150 J	TO-92
-	2N3394	See Index	25	55	500m	100M	10p	100n	25	200m	2.6m	125 S	TO-98
-	2SC2413KAN	Rohm Corp	25	56	50m	150M	2.2p						SOT-23
-	2SC2413KAN	Roh											