

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)													
-	RN5816	Rohm Co Ltd	40	25	750m	120M	15p	100n	50				TO-92
-	RN5816	Rohm Corp	40	25	750m	120M	15p	100n	50				TO-92
-	RN5818	Rohm Co Ltd	40	25	750m	135M	15p	100n	50				TO-92
-	RN5818	Rohm Corp	40	25	750m	135M	15p	100n	50				TO-92
5	HSE125	Hybrid Semi	40	30		30M		500n	60	800m	6.4m	150 J	TO-5
-	HSE210	Hybrid Semi	40	30		30M		500n	60	500m	4.0m	150 J	TO-18
-	HSE171	Hybrid Semi	40	30		100M		1.0u	60	800m	6.4m	150 J	TO-5
-	2N1051	See Index	40	30	100m		7.0p	10n	60	500m	4.0m	175 S	TO-5
-	2N2480	See Index	40	30	500m	50M	20p	.05u	75	300m	1.7m	175 J	TO-77
10	2N2479	See Index	40	30	500m	150M	14p	4.0u	80	600m	4.0m	175 A	TO-5
-	BC136	See Index	40	30	600m		25p	50n	60	300m	3.0	125 J	TO-105
-	2N4237	See Index	40	30	1	1.0M	100p	100u	50	800m	4.5m	175 J	TO-5
-	BFR52	NthAmerSemi	40	30	1.0	50M	8.0p	50n	40	800m	6.4m	150 J	TO-92
-	BFR52	Semelab	40	30	1.0	50M	8.0p	50n	40	800m	6.4m	150 J	TO-92
15	UPT111	Unitrode	40	30	1.0	50M	50p	10u	60	850m	40m	175 J	TO-5
-	2N2868	See Index	40	30	1	50M	20p	.01u	60	800m	4.5m	175 J	TO-5
-	2N2909	See Index	40	30	1	50M	20p	.01u	60	400m	2.3m	175 J	TO-46
-	BCX33	NthAmerSemi	40	30	1.0	80M		100n	60	880m	5.9m	150 J	N/A
-	UPT211	Unitrode	40	30	2.0	70M	50p	10u	60	850m	40m	175 J	TO-5
20	2N1420A	See Index	40	35	1	60M	25p	.01u	60	800m	4.5m	175 J	TO-5
-	2N2531	See Index	40	36	25m	12M	3.0p	50n	45	150m	1.0m	175 S	TO-18
-	2N2534	See Index	40	39	25m	20M	3.0p	50n	45	150m	1.0m	175 S	TO-18
-	BC144	See Index	40	40		40M	25p	.02u	60	700m	4.0m	175 J	TO-5
25	SE8002	SemiconTech	40	40		40M	25p	.01u	80	870m	5.0m	175 J	TO-5
-	2N718	See Index	40	40		50M	35p	1.0u	60	400m	10m	175 J	TO-18
-	2N696	See Index	40	40		80M	20p	1.0u	60	600m	13m	175 J	TO-5
-	MMBT-A20	Motorola	40	40		125M	4.0p	100n	40	350m	2.8m	150 S	SOT-89
-	TMPTA20	SprgueElec	40	40	10m	125M	4.0p	100n	40	350m		150 J	TO-236
-	CX901	Semi Inc	40	40	100m	80M	3.5p			300m			TO-92
30	CX901	Advncd Semi	40	40	100m	80M	3.5p			300m			TO-92
-	FMMT-A20	FerrantiLtd	40	40	100m	125M	4.0p	100n		300m			TO-236
-	FMMTA20	FerrantiLtd	40	40	100m	125M	4.0p	100n		300m	1.3m	175 A	SOT-89
-	MMBTA20	See Index	40	40	100m	125M	4.0p	100n	40	225m	1.8m	150 J	SOT-23
-	MPSA20	See Index	40	40	100m	125M	4.0p	100n	40	350m	8.0m	150 J	TO-226AA
35	MPSK20	CrimsonSemi	40	40	100m	125M	4.0p	100n		300m	2.7m	135 J	TO-92
-	2S712	See Index	40	40	200m	5.0M		10u	40	600m	833u	100 A	TO-5
-	MPSA10	See Index	40	40	200m	125M	4.0p	100n		300m	2.7m	150 J	TO-92
-	KT503A	V/O Electro	40	40	300m	5.0M			40	500m	4.0m	150 J	TO-92
-	2N2396	See Index	40	40	300m	50M	30p	.01u	60	450m	2.6m	175 J	Macro-T
40	BC125A	CentralSemi	40	40	500m	40M	25p	50n	50	300m	3.0m	125 J	TO-105
-	PN3567	See Index	40	40	500m	60M		50n	80	600m	4.8m	150 J	TO-92
-	2N3567	See Index	40	40	500m	60M		50u	80	300m	3.0m	125 J	TO-105
-	BC340	See Index	40	40	500m	100M	6.5p			800m			TO-39
45	BC340-6	NthAmerSemi	40	40	500m	100M	10p	100n	40	800m	4.5m	175 J	TO-39
-	2N1959	See Index	40	40	500m	100M	14p	.50u	60	600m	4.0m	175 J	TO-5
-	2SC189	Elec Trans	40	40	500m	150M	9.0p	1.0u	60	600m	4.0m	175 J	TO-5
-	2SC189	RF Gain	40	40	500m	150M	9.0p	1.0u	60	600m	4.0m	175 J	TO-5
-	MPS3567	See Index	40	40	600m	60M	20p	50n	80	350m	2.8m	150 J	TO-226AA
-	2N3053L	Semelab	40	40	700m	100M				800m			TO-5
50	2221A	ITT Semilntr	40	40	0.8	150M		10n	75	625m		150 J	TO-92
-	TP3567	SprgueElec	40	40	800m	60M	20p	50u	80	300m			TO-226
-	2N730	See Index	40	40	1	40M	35p	1.0u	60	500m	3.3m	175 J	TO-18
-	BC140	See Index	40	40	1.0	50M	25p	100n	80	750m	4.6m	175 J	TO-205AD
55	BC140-6	See Index	40	40	1.0	50M	25p	100n	80	750m	5.0m	175 J	TO-39
-	BFW26	See Index	40	40	1	60M	25p	.01u	80	800m	4.5m	175 J	TO-5
-	BFY67A	Micro Elecs	40	40	1.0	60M		75n	60	700m	4.5m	175 J	TO-39
-	BFY67A	NthAmerSemi	40	40	1.0	60M		75n	60	700m	4.5m	175 J	TO-39
-	2N3110	See Index	40	40	1.0	60M		10u	80	800m		175 J	TO-39
-	2N1959A	See Index	40	40	1.0	100M	14p	200n	60	600m		175 J	TO-5
60	2N2853	See Index	40	40	3.0	30M	125p	100n	60	850m	5.0m	175 S	TO-52var
-	2N2855	See Index	40	40	3.0	30M	125p	100n	60	850m	5.0m	175 S	TO-52var
-	EN1711	See Index	40	50	70M	25p	50n	75	300m	3.0m	125 J	TO-105	
-	EN956	See Index	40	50	70M	25p	50n	75	220m	2.1m	125 J	TO-106	
65	TMPT3903	SprgueElec	40	50	10m	250M	4.0p	50n	60	350m		150 J	TO-236
-	MPS3903	Solid Stnc	40	50	200m	150M	4.0p	50n	60	625m	5.0m	150 J	TO-226AA
-	MPS3903	Natl Semi	40	50	200m	150M	4.0p	50n	60	625m	5.0m	150 J	TO-226AA
-	MPS3903	Motorola	40	50	200m	150M	4.0p	50n	60	625m	5.0m	150 J	TO-226AA
-	PMBT3903	PhilipsElec	40	50	200m	250M		50n	60	300m		150 J	SOT-23
-	PMBT3903	AmperexElec	40	50	200m	250M		50n	60	300m		150 J	SOT-23
70	PMBT3904	AmperexElec	40	50	200m	250M		50n	60	300m		150 J	SOT-23
-	PMBT3904	PhilipsElec	40	50	200m	250M		50n	60	300m		150 J	SOT-23
-	2N2480A	See Index	40	50	500m	50M	18p	.02u	80	300m	1.7m	175 J	TO-77
-	CX906	Semi Inc	40	50	500m	80M	8.0p			500m			TO-92
75	CX906	Advncd Semi	40	50	500m	80M	8.0p			500m			TO-92
-	PN2222A	See Index	40	50	600m	300M	8.0p	10n	75	625m		150 J	TO-92
-	BSV69	Comset Semi	40	50	1.0		10p	100u	45	800m	5.2m	175 J	TO-39
-	BSV69	NthAmerSemi	40	50	1.0		10p	100u	45	800m	5.2m	175 J	TO-39
-	BSY92	NthAmerSemi	40	60		50M	25p	100u	60	800m	4.5m	175 J	TO-39
-	BSY93	NthAmerSemi	40	60		50M	25p	100u	60	360m	2.1m	175 J	TO-18
80	TMPC1623	SprgueElec	40	60		100M		100n	50				N/A
-	2N5824	See Index	40	60	100m		4.0p	50n	50	500m	3.6m	150 J	TO-92
-	2SC1330	Semi Inc	40	60	100m	50M	6.0p			400m			TO-92
-	2SC1330	Advncd Semi	40	60	100m	50M	6.0p			400m			TO-92
85	TP5824	SprgueElec	40	60	100m	90M	4.0p	50n	50			150 J	TO-226
-	MMBC1623L3	SprgueElec	40	60	100m	150M		100n	50	225m	1.8m	150 J	SOT-23
-	MMBC1623L3	Samsung	40	60	100m	150M		100n	50	225m	1.8m	150 J	SOT-23
-	MMBC1623L3	Motorola	40	60	100m	150M		100n	50	225m	1.8m	150 J	SOT-23
-	2N5814	See Index	40	60	750m		15p	100n	50	500m	4.5m	135 J	TO-92
-	GES5814	GE Solid St	40	60	750m	125M		100n	50	500m	4.5m	150 J	TO-92
90	BCW90A	ThmsnCSFEFC	40	60	800m	80M	10p	30n	50	610m	4.8m	150 J	TO-92var
-	BCW90A	Mistral SpA	40	60	800m	80M	10p	30n	50	610m	4.8m	150 J	TO-92var
-	D33D24	SprgueElec	40	60	800m	80M	15p	100n	50	625m	4.5m	150 J	TO-98
-	D33D24	GE Solid St	40	60	800m	80M	15p	100n	50	62			