

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		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		175	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	ITTSemIntr	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		.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	625m	4.5m	150 J	TO-98	
-	TP5814	SprgueElec	40	60	800m	100M	15p	100n	50			150 J	TO-226	
95	BC340-10	NthAmerSemi	40	63	500m	100M	10p	100n	40	800m	4.5m	175 J	TO-39	
-	BC140-10	See Index	40	63	1.0	50M	25p	100n	80	750m	5.0m	175 J	TO-205AD	
-	BFX69A	NthAmerSemi	40	70		84.M	13p	.01u	80	800m	4.5m	175 J	TO-5	

DISCONTINUED PART NUMBERS

Part Number	Manufacturer	Part Number	Manufacturer	Part Number	Manufacturer	Part Number	Manufacturer	Part Number	Manufacturer																																																																																																																															
2N707A	Franel Corp Motorola Sid St Dvcs	2N708	ITTSemIntr New Jersey TRW Optron CSR Indus Motorola PPC Product Sid St Dvcs Trans-Tek CSR Indus ITTSemIntr Semiconductors ThmsnCSFEFC Sylvania Transitron	2N709	CSR Indus FairchildSC Intl Diode Mullard Ltd PhilElecSON Raytheon Co RTC-Compelc Sid St Dvcs TeledynSemi TexslntLtd Transitron	2N710	2N710A	2N711	2N711A	2N715	2N716	2N717	2N717A	2N718	2N718A	2N719	2N720	2N721	2N722	2N722A	2N725	2N726	2N727	2N727A	2N728	2N729	2N730	2N731	2N734	2N735	2N736A	2N736B	2N738	2N739	2N739A	2N740	2N741	2N741A	2N742	2N742A	2N743	2N743A	2N743/46	2N743/51	2N743A	2N744	2N744/46	2N744/51	2N744A	2N745	2N746	2N747	2N748	2N749	2N750	2N751	2N752	2N753	2N753/46	2N753/51	2N754	2N755	2N756	2N756A	2N757	2N757A	2N758	2N758A	2N759A	2N759B	2N760	2N760A	2N760B	2N761	2N762	2N768	2N769	2N770	2N771	2N772	2N773	2N774	2N775	2N776	2N777	2N778	2N779	2N779A	2N779B	2N780	2N781	2N782	2N783	2N784	2N784A	2N784A/46	2N784A/51	2N789	2N790	2N791	2N792	2N793	2N794	2N795	2N796	2N797	2N799	2N800	2N801	2N802	2N803	2N804	2N805	2N806	2N807	2N808	2N809	2N810	2N811	2N812	2N813	2N814	2N815	2N816	2N817	2N818	2N819	2N820	2N821	2N822	2N823	2N824	2N825	2N826	2N827	2N827