

# RF LOW-POWER SILICON NPN

Item Number	Part Number	Manufacturer	V <sub>(BR)CEO</sub> (V)	f <sub>T</sub> (Hz)	h <sub>FE</sub>	I <sub>c</sub> Max (A)	C <sub>obo</sub> Max (F)	I <sub>cBO</sub> Max (A)	t <sub>r</sub> Max (s)	t <sub>r</sub> Max (s)	P <sub>D</sub> Max (W)	T <sub>Oper</sub> Max (°C)	Package Style
<b>V(BR)CEO &gt;= 20 V, (Cont'd)</b>													
-	2N4435	Space Power	20	220M	67	30m					145m		TO-72
-	2SC2776	Hitachi Ltd	20	230M	35	30m					150m		TO-236
-	2SC2778	Matsushita	20	230M	500	30m	1.3p				200m	125 J	SOT-89
-	2N3293	See Index	20	250M	10	50m	2p	.10u			200m	175 J	TO-72
5	2N3294	See Index	20	250M	10	50m	2p	.10u			200m	175 J	TO-72
-	2N2476	See Index	20	250M	20		10p	.20u	25n	45n	600m	175 J	TO-5
-	2SC398	Solid StInc	20	250M	20	20m	.5p	.05u			200m	150 J	TO-72
-	2SC398	RF Gain	20	250M	20	20m	.5p	.05u			200m	150 J	TO-72
-	2SC398	Elec Trans	20	250M	20	20m	.5p	.05u			200m	150 J	TO-72
-	2SC399	RF Gain	20	250M	20	20m	.5p	.05u			200m	150 J	TO-72
-	2SC399	Solid StInc	20	250M	20	20m	.5p	.05u			200m	150 J	TO-72
-	2SC399	Elec Trans	20	250M	20	20m	.5p	.05u			200m	150 J	TO-72
-	2N2477	See Index	20	250M	40		10p	.20u	25n	45n	600m	175 J	TO-5
-	2N2847	See Index	20	250M	40		8p	.20u	25n	40n	360m	175 J	TO-18
-	2N2848	See Index	20	250M	40		8p	.20u	25n	40n	800m	175 J	TO-5
-	2N2958	See Index	20	250M	40	600m	8.0p	25n	75n	200n	600m	175 S	TO-5
-	2N3115	See Index	20	250M	40	600m	8.0p	25n	75n	200n	400m	175 S	TO-18
-	2N3982	SemiconTech	20	250M	40	1.0	8.0p	300n	15n	15n	800m	175 J	TO-5
-	2N3982	Space Power	20	250M	40	1.0	8.0p	300n	15n	15n	800m	175 J	TO-5
-	2N3982	Hybrid Semi	20	250M	40	1.0	8.0p	300n	15n	15n	800m	175 J	TO-5
-	2SC2295	Matsushita	20	250M	50	30m		100n			200m	125 J	SOT-89
-	2SC33	Elec Trans	20	250M	55	50m	3.0p	.10u			150m	175 J	TO-5
-	2SC204	RF Gain	20	250M	70	200m	4.0p	50n	20n	50n	350m	175 J	TO-18
-	BSX76	NthAmerSemi	20	250M	80	100m		.05u			300m	175 J	TO-18
25	BSX77	NthAmerSemi	20	250M	80	100m		.05u	15n	75n	300m	175 J	TO-18
-	2SC323	Solid StInc	20	250M	90	100m	3.0p	1.0u			250m	175 J	TO-18
-	2SC323	Hybrid Semi	20	250M	90	100m	3.0p	1.0u			250m	175 J	TO-18
-	2N2959	See Index	20	250M	100	600m	8.0p	25n	75n	200n	600m	175 S	TO-5
-	2N3116	See Index	20	250M	100	600m	8.0p	25n	75n	200n	400m	175 J	TO-18
30	BC122	CentralSemi	20	250M	150	75m	7.0p	10n			250m	150 J	MicroTO-92
-	BC238AP	FerrantiLtd	20	250M	170	100m	4.5p	15n			300m	150 J	TO-92
-	BC108P	FerrantiLtd	20	250M	220	100m	3.5p	15n			300m	175 J	TO-92var
-	BC108PS	FerrantiLtd	20	250M	220	100m	3.5p	15n			300m	175 J	TO-92var
-	BC238P	FerrantiLtd	20	250M	220	100m	4.5p	15n			300m	150 J	TO-92var
-	2SD734	Sanyo Elect	20	250M	230	700m	8.0p	1.0u			500m	125 J	TO-92
-	BC238BP	FerrantiLtd	20	250M	290	100m	4.5p	15n			300m	150 J	TO-92
-	BC238CP	FerrantiLtd	20	250M	500	100m	4.5p	15n			300m	150 J	TO-92
-	2SC3792	Sanyo Elect	20	250M	1.2k	500m	4.0p	0.1u			500m	150 J	TO-92
-	BF494D	Sid Micro	20	260M		30m					300m	135 J	TO-92
40	CIL194	Cont'l Dev	20	260M	66						200m		TO-106
-	BF194B	Bharat	20	260M	100	30m	950f				250m		N/A
-	BF194B	Semi Ltd	20	260M	100	30m	950f				250m		N/A
-	BF254B	NthAmerSemi	20	260M	110	30m		50n			180m	125 A	TO-92var
-	CIL194B	Cont'l Dev	20	260M	111						200m		TO-106
45	BF194	See Index	20	260M	115	30m	950f				220m	125 J	N/A
-	BF332	NthAmerSemi	20	260M	115	30m					220m	125 J	N/A
-	BF494	See Index	20	260M	115	30m	850f				300m	150 J	TO-92
-	BF554	Siemens Akt	20	260M	115	30m					110m	150 J	SOT-23
-	BF494C	Sid Micro	20	260M	125	30m					300m	135 J	TO-92
50	BF194A	Semi Ltd	20	260M	200	30m	950f				250m	125 J	N/A
-	BF194A	Bharat	20	260M	200	30m	950f				250m	125 J	N/A
-	BF494B	Sid Micro	20	260M	220	30m					300m	135 J	TO-92
-	BF494B	NthAmerSemi	20	260M	220	30m					300m	135 J	TO-92
-	BFS19	See Index	20	260M	225	30m	1.0p	100n			200m	135 J	SOT-23
55	BFS19R	Telefunken	20	260M	225	30m	1.0p	100n			200m	135 J	SOT-23
-	BFS19R	ThmsnCSFEFC	20	260M	225	30m	1.0p	100n			200m	135 J	SOT-23
-	BFS19R	PhilipsElec	20	260M	225	30m	1.0p	100n			200m	135 J	SOT-23
-	BFS20	See Index	20	275M	40	25m	0.8p	100n			200m	175	SOT-23
-	2SD1101	Hitachi Ltd	20	280M	85	700m					150m		TO-236
60	2SD467	Hitachi Ltd	20	280M	85	700m	12p	1.0u			500m	150 J	TO-92
-	2SD467	Solid StInc	20	280M	85	700m	12p	1.0u			500m	150 J	TO-92
-	2SD467	Micro Elecs	20	280M	85	700m	12p	1.0u			500m	150 J	TO-92
-	BC318	See Index	20	280M	110	500m	7.0p	30n	10n	60n	600m	150 J	TO-92
65	BC318A	See Index	20	280M	110	500m	7.0p	30n	10n	60n	600m	150 J	TO-92
-	BC318B	See Index	20	280M	200	500m	7.0p	30n	10n	60n	600m	150 J	TO-92
-	BC319	See Index	20	280M	200	500m	7.0p	30n	10n	60n	600m	150 J	TO-92
-	BC319B	See Index	20	280M	200	500m	7.0p	30n	10n	60n	600m	150 J	TO-92
-	BC319C	See Index	20	280M	420	500m	7.0p	30n	10n	60n	600m	150 J	TO-92
-	BC318C	See Index	20	280M	450	500m	7.0p	30n	10n	60n	600m	150 J	TO-92
70	BSX78	NthAmerSemi	20	285M	120	100m		.05u	15n	75n	300m	175 J	TO-18
-	MPS835	Motorola	20	300M	3.0	200m	4.0p	500n	20n	35n	350m	150 J	TO-92
-	2N4072	See Index	20	300M	10	100m	4p	.10u			350m	175 S	TO-18
-	2N5126	See Index	20	300M	15	30m	1.6p	.05u			200m	125 J	TO-106
-	MPSH31	See Index	20	300M	20		650f	50n			310m	135 J	TO-92
75	MPSH30	See Index	20	300M	20	50m	650f	50n			625m	150 J	TO-226AA
-	MPS6569A	Motorola	20	300M	20	50m	650f	50n			350m	150 J	TO-226AA
-	MPS6570A	Motorola	20	300M	20	50m	650f	50n			350m	150 J	TO-226AA
-	2N2954	Swampscott	20	300M	25	500m	3.8	.05u			200m	175 J	N/A
-	2N2954	Space Power	20	300M	25	500m	3.8	.05u			200m	175 J	N/A
80	2N2954	Germanium	20	300M	25	500m	3.8	.05u			200m	175 J	N/A
-	CS9016	Sun Wai	20	300M	28	25m					310m	135 J	TO-92
-	CS9016	Natl Semi	20	300M	28	25m					310m	135 J	TO-92
-	ED1502A	Natl Semi	20	300M	36	50m					600m	150 J	TO-92
85	2SC2059KJM	Rohm Co Ltd	20	300M	39	20m	1.8p						SOT-23
-	2SC2059KJM	Rohm Corp	20	300M	39	20m	1.8p						SOT-23
-	SE5022	See Index	20	300M	40		500f	50n			175m	175 J	TO-72
-	SE5023	See Index	20	300M	40		500f	50n			175m	175 J	TO-72
-	SE5024	See Index	20	300M	40		.5p	.05u			175m	175 J	TO-72
-	SE5050	See Index	20	300M	40		.5p	.05u			175m	175 J	TO-72
90	SE5051	See Index	20	300M	40		.5p	.05u			175m	175 J	TO-72
-	2N708A	See Index	20	300M	40		6p	.01u			360m	175 J	TO-18
-	ED1502B	Natl Semi	20	300M	48	50m		50n			600m	150 J	TO-92
-	HSE405	Hybrid Semi	20	300M	50			40n			310m	125 J	TO-92
-	2SC2206	Matsushita	20	300M	50	30m					400m	135 J	SIP
95	2SC2059KJN	Rohm Corp	20	300M	56	20m	1.8p						SOT-23
-	2SC2059KJN	Rohm Co Ltd	20	300M	56	20m	1.8p						