

# LOW-POWER SILICON PNP

Item Number	Part Number	Manufacturer	V <sub>(BR)CEO</sub> (V)	h <sub>FE</sub>	I <sub>C</sub> Max (A)	f <sub>T</sub> (Hz)	C <sub>obo</sub> Max (F)	I <sub>CBO</sub> Max (A)	V <sub>(BR)CBO</sub> (V)	P <sub>D</sub> Max (W)	Derate at (W/°C)	T <sub>Oper</sub> Max (°C)	Package Style
<b>V(BR)CEO &gt;= 50 V, (Cont'd)</b>													
-	NB223XJ	Natl Semi	65	260	500m	50M	4.5p	500n	70	600m		150 J	TO-92
-	NB223YJ	Natl Semi	65	260	500m	50M	4.5p	500n	70	600m		150 J	TO-92
-	BC556P	FerrantiLtd	65	450	100m	250M	3.0p	15n	80	500m		150 J	TO-92
-	BC856BR	PhilipsElec	65	475	100m	150M		15n		200m		150 J	TO-236
5	BC856BR	ITT SemiIntr	65	475	100m	150M		15n		200m		150 J	TO-236
-	BC856BR	AmpereElec	65	475	100m	150M		15n		200m		150 J	TO-236
-	BC856CR	PhilipsElec	65	800	100m	150M		15n		200m		150 J	TO-236
<b>V(BR)CEO &gt;= 70 V</b>													
-	2SB1234	Sanyo Elect	50	5.0k	200m			100n	80	200m		150 J	TO-236var
-	2SB1235	Sanyo Elect	50	5.0k	200m			100n	80	300m		150 J	SPAK
10	2N1196	See Index	70	5.0	100m		4.0p	250n	70	350m	2.0m	175 J	TO-5
-	2N1197	See Index	70	5.0	100m		4.0p	250n	70	350m	2.0m	175 J	TO-5
-	BCY93	NthAmerSemi	70	25	50m	15.M		2n	70	350m	2.9m	150 J	TO-18
-	BCY94	NthAmerSemi	70	42	50m	15.M		2n	70	350m	2.9m	150 J	TO-18
-	ZTX504	FerrantiLtd	70	50	500m	150M	6.0p	200n	70	300m	3.0m	175 S	TO-92var
15	BCY95	NthAmerSemi	70	70	50m	15.M		2n	70	350m	2.9m	150 J	TO-18
-	ZT189	FerrantiLtd	70	90	500m	150M	15p	500n	70	300m	2.4m	150 J	TO-18
-	BC311	See Index	70	110	1.0		13p	50n	70	800m		175	TO-5
-	2SA581	Elac Trans	70	120	600m	100M	18p	1.0u	100	800m	5.3m	175 J	TO-39
-	2SA1023	NEC Corp JA	70	200	100m	180M	4.5p	.1u	70	250m	2.5m	125 J	TO-92
20	2SA1114	MitsubiElec	70	1.2k	200m	150M	8.0p	0.1u	70	500m	5.0m	175 J	TO-92
-	BCY22	NthAmerSemi	75	10	50m	500k	45p	20n	75	350m	2.7m	150 J	TO-5
-	BFX41	See Index	75	40	1.0	100M		50n	75	800m		175 J	TO-39
-	2N1922	See Index	80		50m	1.0M	7.0p		80	250m	1.6m	175 S	TO-5
-	2SA1158Y	Indust Mexi	80		100m	80M	3.0p		80	400m		175 J	TO-92
25	2N1275	See Index	80	9.0	50m	100k	110p	1.0u	100	250m	1.8m	150 A	TO-5
-	2N5111	See Index	80	10	1	1.0M	500p	75u	80	500m	33m	175 J	TO-5
-	BFR60	NthAmerSemi	80	10	1.0	60M	8.0p	50n	80	800m	6.4m	150 J	TO-92
-	T1PP32B	TexInstLtd	80	10	2.0			200u	80	0.8		150 J	TO-92
-	2S321	Hybrid Semi	80	15	50m	1.0M	40p	10u	80	300m	2.4m	200 J	TO-58
30	2S321	Genrl Diode	80	15	50m	1.0M	40p	10u	80	300m	2.4m	200 J	TO-58
-	2S321	SemiconTech	80	15	50m	1.0M	40p	10u	80	300m	2.4m	200 J	TO-58
-	2N2598	See Index	80	20	50m	30M	6.0p	25n	125	400m	2.2m	175 S	TO-46
-	2N3062	See Index	80	20	100m	3.0M	10p	.01u	90	400m	2.3m	175 J	TO-46
-	BSW40	Micro Elecs	80	20	1.0	50M	20p	30n	100	700m	4.5m	175 J	TO-39
35	BC345	See Index	80	20	1.0	100M	20p		80	800m		175 J	TO-39
-	BFR79	See Index	80	20	1.0	150M	6.5p	100n	90	800m	6.4m	150 S	TO-92
-	TL4356	ThmsnCSFEFC	80	25		100M	30p	50n	80				TO-105
-	2N946	See Index	80	25	50m	1.0M	14p	5.0n	80	250m	1.6m	175 S	TO-18
-	PN4356	See Index	80	25	500m	100M	30p	50n	80	600m	4.8m	150 J	TO-92
40	2N4356	See Index	80	25	500m	100M		50n	80	350m	3.4m	125 J	TO-222AB
-	ESM640	Mistral SpA	80	25	1.0	50M		100n	100	800m	6.0m	150 J	N/A
-	2SA546A	Elac Trans	80	25	1	80.M	50p	3.0u	90	750m	5.0m	175 J	TO-39
-	2N4031	See Index	80	25	1.0	100M		50n	80	800m	4.5m	175 J	TO-39
-	BSS46	See Index	80	25	5.0	70M		500n	85	870m	5.0m	175 J	TO-39
45	HSE153	Hybrid Semi	80	30		100M		100n	80	600m	4.8m	150 J	TO-5
-	2N1654	See Index	80	30	50m	250k	50p	1.0u	100	250m	1.8m	150 J	TO-5
-	MPSH54	CentralSemi	80	30	100m	80M		50n	80	625m	5.0m	135 J	TO-226AA
-	MPSH54	SemiconTech	80	30	100m	80M		50n	80	625m	5.0m	135 J	TO-226AA
50	MPSH54	Motorola	80	30	100m	80M		50n	80	625m	5.0m	135 J	TO-226AA
-	MPSH55	See Index	80	30	100m	80M		50n	80	625m	5.0m	135 J	TO-226AA
-	BSW40-10	NthAmerSemi	80	30	1.0	50M		30n	100	790m	4.5m	175 J	TO-39
-	2N4027	See Index	80	30	1	100M		.05u	80	500m	2.9m	175 J	TO-18
-	HSE185	Hybrid Semi	80	40		50M		1.0u	100	800m	6.4m	150 J	TO-5
-	2N2599	See Index	80	40	50m	40M	6.0p	25n	125	400m	2.2m	175 S	TO-46
55	BFS91	See Index	80	40	100m				80	800m		175 S	TO-39
-	0802	Advncd Semi	80	40	500m	80M	15p		100	400m			TO-105
-	0802	Semi Inc	80	40	500m	80M	15p		100	400m			TO-105
-	2SA497	See Index	80	40	800m	70M	33p	1.0u	80	600m	4.8m	150 J	TO-39
60	BC640	See Index	80	40	1.0	50M		100n	100	800m	6.0m	150	TO-92
-	BSW40-16	NthAmerSemi	80	40	1.0	50M		30n	100	790m	4.5m	175 J	TO-39
-	A5T4027	SemiconTech	80	40	1.0	100M	20p	50n	80	625m	5.0m	150 S	TO-92var
-	2S301A	Semelab	80	45	100m	700k			80	300m			TO-39
-	BC534	See Index	80	50		50M		100n	80	625m		150 J	TO-92
-	HSE191	Hybrid Semi	80	50		50M		1.0u	100	800m	6.4m	150 J	TO-5
65	TMPTA56	SprgueElec	80	50	10m	50M		100n	80	350m		150 J	TO-236
-	2N3063	See Index	80	50	100m	5.0M	10p	.01u	90	400m	2.3m	175 J	TO-46
-	HT3	FerrantiLtd	80	50	100m	50M	10p	100n	90	300m		175	SOT-89
-	BC448	See Index	80	50	300m	100M		100n	80	625m	5.0m	150 J	TO-226AA
-	BC448-18	Motorola	80	50	300m	100M		100n	80	625m	5.0m	150 J	TO-18
70	BC448-5	Motorola	80	50	300m	100M		100n	80	625m	5.0m	150 J	TO-5
-	MMBTA56	SprgueElec	80	50	500m	50M		100n	80	225m	1.8m	150 J	SOT-23
-	MMBTA56	Natl Semi	80	50	500m	50M		100n	80	225m	1.8m	150 J	SOT-23
-	MMBTA56	Motorola	80	50	500m	50M		100n	80	225m	1.8m	150 J	SOT-23
-	MMST-A56	Rohm Corp	80	50	500m	50M			80				SOT-23
75	MMST-A56	Rohm Co Ltd	80	50	500m	50M	8.5p		80				SOT-23
-	MPS-A56	Rohm Co Ltd	80	50	500m	50M		100n	80				TO-92
-	MPS-A56	Rohm Corp	80	50	500m	50M		100n	80				TO-92
-	MPS-A56	GE Solid St	80	50	500m	50M		100n	80				TO-92
-	MPSA56	See Index	80	50	500m	50M		100n	80	625m	5.0m	150 J	TO-226AA
80	FMMT-A56	FerrantiLtd	80	50	500m	100M		100n	80	350m		175	TO-236
-	FMMTA56	FerrantiLtd	80	50	500m	100M		100n	80	350m	1.3m	175 A	SOT-89
-	SMBTA56	Siemens Akt	80	50	500m	100M		100n	80	330m		150	SOT-89
-	BSW40-25	NthAmerSemi	80	50	1.0	50M		30n	100	790m	4.5m	175 J	TO-39
-	BC528	See Index	80	50	1.0	100M	15p	100n	80	625m	5.0m	150 J	TO-92
85	BFT69	Semelab	80	50	1.0	100M	10p	100n	90	360m	2.0m	175 A	TO-18
-	BFT69	NthAmerSemi	80	50	1.0	100M	10p	100n	90	360m	2.0m	175 A	TO-18
-	BFT79	NthAmerSemi	80	50	1.0	100M	10p	100n	90	800m	4.5m	175 A	TO-39
-	BFT79	Semelab	80	50	1.0	100M	10p	100n	90	800m	4.5m	175 A	TO-39
-	MPS4356	See Index	80	50	1.0	100M	30p	50n	80	625m	5.0m	150 J	TO-92
90	TP4356	SprgueElec	80	50	1.0	100M	30p	50n	80			150 J	TO-226
-	TP5857	SprgueElec	80	50	1.0	100M	15p	100n	80			150 J	TO-226
-	2N5857	See Index	80	50	1.0	100M	15p	100n	80	750m	6.8m	135 S	TO-105
-	2SB646	Hitachi Ltd	80	60	50m				80	900m			