

# 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;= 20 V, (Cont'd)</b>													
-	2N6009	See Index	25	250	500m	140M		30n	35	400m	4.0m	150 J	TO-98
-	BC328-16	See Index	25	250	800m	100M	12p		30	400m	3.2m	150 J	TO-92
-	BC328BP	FerrantiLtd	25	250	800m	100M	12p	100n		625m	5.0m	150 J	TO-92var
-	2SA952L	NECElectsInc	25	270	700m	160M	17p	100n	30	600m		150 J	TO-92
5	2SB810H	NECElectsInc	25	270	700m	160M	17p	100n	30	350m	2.8m	150 J	SPAKvar
-	2SB811H	NECElectsInc	25	270	1.0	110M	36p	100n	30	350m	2.8m	150 J	SPAKvar
-	2SB1119S	Sanyo Elect	25	280	1.0	180M	15p	100n	25	500m		150 J	SOT-89
-	2SB1121S	Sanyo Elect	25	280	2.0	150M	19p	100n	30	500m		150 J	SOT-89
-	BC178BP	FerrantiLtd	25	290	100m	130M	4.5p	100n		300m	2.0m	175 J	TO-92var
10	BC178PBK	FerrantiLtd	25	290	100m	130M	4.5p	100n		300m	2.0m	175 J	TO-92var
-	2SB1035E	MitsubiElec	25	300	1.0	100M		100n	30	900m		150 J	MicroTO-92
-	2SB810F	NECElectsInc	25	320	700m	160M	17p	100n	30	350m	2.8m	150 J	SPAKvar
-	2SA950	ToshibaCorp	25	320	800m	120M	19p	100n	30	600m		150 J	TO-92
-	2SA950	Semi Inc	25	320	800m	120M	19p	100n	30	600m		150 J	TO-92
15	2SA950	Micro Elecs	25	320	800m	120M	19p	100n	30	600m		150 J	TO-92
-	2SB811F	NECElectsInc	25	320	1.0	110M	36p	100n	30	350m	2.8m	150 J	SPAKvar
-	2SB1030	Matsushita	25	340	500m		6.0p	100n	30	300m	3.0m	125 J	TO-92var
-	BC178C	See Index	25	380	200m	190M	4.0p	100n	30	600m	2.2m	175 J	TO-206AA
-	BC258C	See Index	25	380	500m	130M	6.0p	100n	30	500m	2.4m	150 J	TO-92
20	KSA542	Samsung	25	400	50m	100M	2.5p	100n	30	250m		125 J	TO-92
-	KSA642	Samsung	25	400	300m			100n	30	400m		125 J	TO-92
-	TBC328B	Indust Mexi	25	400	500m	100M	12p		30	625m			TO-92
-	2SA952K	NECElectsInc	25	400	700m	160M	17p	100n	30	600m		150 J	TO-92
-	2SB810E	NECElectsInc	25	400	700m	160M	17p	100n	30	350m	2.8m	150 J	SPAKvar
25	BC328-25	See Index	25	400	800m	100M	12p		30	600m	3.2m	150 J	TO-92
-	BC328CP	FerrantiLtd	25	400	800m	100M	12p	100n		625m	5.0m	150 J	TO-92var
-	KSB564A	Samsung	25	400	1.0	110M	18p	100n	30	800m		125 J	TO-92
-	2SB811E	NECElectsInc	25	400	1.0	110M	36p	100n	30	350m	2.8m	150 J	SPAKvar
-	2SB1119T	Sanyo Elect	25	400	1.0	180M	15p	100n	25	500m		150 J	SOT-89
30	2SB1121T	Sanyo Elect	25	400	2.0	150M	19p	100n	30	500m		150 J	SOT-89
-	BC178CP	FerrantiLtd	25	500	100m	130M	4.5p	100n		300m	2.0m	175 J	TO-92var
-	BC308C	See Index	25	500	100m	130M	6.0p		30	250m	2.4m	150 J	TO-92
-	2SB1119U	Sanyo Elect	25	560	1.0	180M	15p	100n	25	500m		150 J	SOT-89
-	2SB1121U	Sanyo Elect	25	560	2.0	150M	19p	100n	30	500m		150 J	SOT-89
35	2SB926	Sanyo Elect	25	560	2	150M	30p	0.1u	30	750m		135 A	TO-92
-	2N4284	NthAmerSemi	25	600	50m	7.0M	10p	100n	25	250m	2.0m	150 S	TO-92var
-	TBC328	Indust Mexi	25	600	500m	100M	22p	100n	30	625m		150 J	TO-92
-	TBC328	ToshibaCorp	25	600	500m	100M	22p	100n	30	625m		150 J	TO-92
-	BC728	See Index	25	630	40m		20p	10n	30	625m		150 J	TO-92
40	BC328-40	See Index	25	630	800m	100M	12p		30	600m		150 J	TO-92
-	BC328P	FerrantiLtd	25	630	800m	100M	12p	100n	30	625m	5.0m	150 J	TO-92var
-	2SB774	Matsushita	25	650	100m	150M	4.0p	1.0u	25	250m	2.2m	135 J	TO-92
-	2SB894	Matsushita	25	650	100m	150M	4.0p	1.0u	30	400m	3.2m	150 J	SIP
-	2SB902	Matsushita	25	650	100m	150M	4.0p	1.0u	30	200m	2.0m	125 J	SOT-89
45	2SA666	Micro Elecs	25	700	100m		1.0u	25	150m	1.5m	125 J	TO-92	TO-92
-	2SA666	Elec Trans	25	700	100m		1.0u	25	150m	1.5m	125 J	TO-92	TO-92
-	2SA666	Semi Inc	25	700	100m		1.0u	25	150m	1.5m	125 J	TO-92	TO-92
-	2SA888	Elec Trans	25	700	100m	100M	2.7p	1.0u	25	350m	3.2m	135 J	TO-92
-	2SA888	Advncd Semi	25	700	100m	100M	2.7p	1.0u	25	350m	3.2m	135 J	TO-92
50	2SA888	Semi Inc	25	700	100m	100M	2.7p	1.0u	25	350m	3.2m	135 J	TO-92
-	2SA1435	Sanyo Elect	25	1.2k	300m	100M	12p	100n	30	600m		150 J	TO-92
<b>V(BR)CEO &gt;= 30 V</b>													
-	BCW29R	See Index	20	90	200m	150M		100n	30	300m		150 J	SOT-89
-	TP4415	SprgueElec	20	100	500m	20M	8.0p	10n	40	400m		150 J	TO-226
-	BCW30R	See Index	20	150	100m	150M		100n	30	300m		150 J	SOT-89
55	HA7815	SemiconTech	30	100m	1.0M	70p	50n		30	400m	2.8m	75 J	TO-5
-	HA7815	Genrl Diode	30	100m	1.0M	70p	50n		30	400m	2.8m	75 J	TO-5
-	MA7817	SemiconTech	30	100m	1.0M	70p	50n		30	400m	2.8m	75 J	TO-5
-	2SA1378	ToshibaCorp	30	500m	7.0M	7.0p	100n		35	300m		175 J	SPAK
60	2N3317	See Index	30	1.6	50m	6.4M	9.0p	1.0n	30	150m	1.3m	150 S	TO-18
-	PC108S	Sid Micro	30	2.5	100m		5.0p	100n	30	500m		135 J	TO-92
-	PC109A	Sid Micro	30	2.5	100m		5.0p	100n	30	500m		135 J	TO-92
-	PC109B	Sid Micro	30	2.5	100m		5.0p	100n	30	500m		135 J	TO-92
-	2N2185	See Index	30	10	50m		9.0p	1.0n	30	150m	1.3m	150 S	TO-18
-	2N2186	See Index	30	10	50m		9.0p	1.0n	30	150m	1.3m	150 S	TO-18
65	2N2187	See Index	30	10	50m		9.0p	1.0n	30	150m	1.3m	150 S	TO-18
-	BCY26	Hybrid Semi	30	10	50m	600k	45p	20n	30	350m	2.7m	150 J	TO-5
-	BCY26	NthAmerSemi	30	10	50m	600k	45p	20n	30	350m	2.7m	150 J	TO-5
-	2N4957	See Index	30	20	30m				30	200m	1.1m	175 S	TO-72
-	2N5829	See Index	30	20	30m				30	200m	1.1m	175 S	TO-72
70	BCY23	NthAmerSemi	30	20	50m	500k	45p	20n	10	350m	2.7m	150 J	TO-5
-	BCY23	Hybrid Semi	30	20	50m	500k	45p	20n	10	350m	2.7m	150 J	TO-5
-	BCY17	NthAmerSemi	30	20	50m	1.2M	45p	.02u	30	350m	2.8m	150 J	TO-5
-	BCY17	Hybrid Semi	30	20	50m	1.2M	45p	.02u	30	350m	2.8m	150 J	TO-5
75	2N4008	See Index	30	20	100m	15M		.3n	35	400m	2.3m	175 S	TO-46
-	KT209G	V/O Electro	30	20	300m	5.0M			30	200m	2.2m	125 J	SPAKvar
-	KT501G	V/O Electro	30	20	500m	5.0M			30	350m	2.8m	150 J	TO-18
-	MM4052	NthAmerSemi	30	20	500m	12M	10p	500p	30	500m	2.8m	175 J	TO-46
-	MM4052	SemiconTech	30	20	500m	12M	10p	500p	30	500m	2.8m	175 J	TO-46
-	MM4052	Motorola	30	20	500m	12M	10p	500p	30	500m	2.8m	175 J	TO-46
80	2N328	See Index	30	24	5.0m	.35M	30p		40	337m	2.5m	150 J	TO-5
-	ST8190	SemiconTech	30	25		25M	75p	.10u	40	600m	1.5m	175 A	TO-5
-	2N330A	See Index	30	25	50m	500k	70p	100n	50	386m	2.8m	150 J	TO-5
-	2N3344	See Index	30	25	50m	2.0M	25p	2n	30	250m	1.7m	175 S	TO-5
85	2N1254	See Index	30	25	100m	30M	10p	200n	30	275m	1.8m	175 S	TO-5
-	2N5243	See Index	30	25	500m	170M		.10u	30	500m	5.0m	125 S	TO-105
-	2N6567	See Index	30	30	100m	3.0M	10p	500p	30	400m	2.3m	175 S	TO-46
-	A8T3703	SemiconTech	30	30	200m	100M	12p	100n	50	625m	5.0m	150 S	TO-92
-	PET3703	SemiconTech	30	30	500m	100M	12p	100n	50	380m	3.6m	125 J	TO-108
-	TP5448	SprgueElec	30	30	500m	100M	12p	100n	50			150 J	TO-226
90	2N3703	See Index	30	30	500m	100M	12p	100n	50		2.8m	150 S	TO-92
-	BC126	Cont'l Dev	30	30	600m</								