

# 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>													
-	2N1221	See Index	25	18	100m	5.0M	15p	.10u	30	250m	1.7m	175 J	TO-5
-	2S3030	SemiconTech	25	19	100m	1.2M	40p	10u	25	300m	1.7m	175 S	N/A
-	2S3030	NthAmerSemi	25	19	100m	1.2M	40p	10u	25	300m	1.7m	175 S	N/A
-	BCZ10	NthAmerSemi	25	20	50m	1.0M		100n	25	250m	2.0m	150 J	Can
5	2S302	See Index	25	20	100m	.80M	40p	10u	40	300m	1.7m	175 J	TO-5
-	HA9048	Genrl Diode	25	20	100m	25M	8.0p	200n	25	275m	1.8m	175 J	TO-5
-	HA9048	SemiconTech	25	20	100m	25M	8.0p	200n	25	275m	1.8m	175 J	TO-5
-	TP3638	SprgueElec	25	20	500m	100M	20p	35n	25	500m		150 J	TO-226
-	2N923	See Index	25	21	50m	800K	20p	50u	40	150m	833u	175	TO-18
-	BCY28	NthAmerSemi	25	25	50m	1.5M	45p	.10u	30	275m	2.2m	150 J	TO-5
10	BCY28	Hybrid Semi	25	25	50m	1.5M	45p	.10u	30	275m	2.2m	150 J	TO-5
-	2N1118A	See Index	25	25	50m	18M	6.0p	1.0u	25	150m	1.3m	150 J	TO-5
-	2S3230	SemiconTech	25	25	100m	.25M			25	300m			TO-58
-	A5T3638	SemiconTech	25	25	500m	100M	20p	35n	25	625m	5.0m	150 S	TO-92var
15	2N2696	See Index	25	25	500m	100M	20p	25n	25	360m	2.0m	175 J	TO-18
-	2N2927	See Index	25	25	500m	100M	20p	.02u	25	800m	4.5m	175 J	TO-5
-	OC200	SemiconTech	25	28	50m	1.2M		500n	30	250m	2.0m	150 J	Can
-	OC200	NthAmerSemi	25	28	50m	1.2M		500n	30	250m	2.0m	150 J	Can
-	SS3638	SldSt Indus	25	30		100M	20p			360m			N/A
-	TMP73638	SprgueElec	25	30		100M	20p						N/A
-	2N861	See Index	25	30	50m	7.5M	9.0p	100n	25	150m	1.3m	150 S	TO-18
-	2N1118	See Index	25	30	50m	21M	6.0p	1.0u	25	150m	1.3m	150	TO-5
-	MPS3638	See Index	25	30	350m	100M	20p	35n	25	620m	2.8m	150 J	TO-226AA
25	A5T5226	SemiconTech	25	30	500m	50M		300n	25	625m	5.0m	150 S	TO-92var
-	2N5226	See Index	25	30	500m	50M	20p	300n	25	620m	2.8m	150 J	TO-18
-	PN3638	See Index	25	30	500m	100M	20p	35n	25	600m	4.8m	150 J	TO-92
-	2N2695	See Index	25	30	500m	100M	20p	.02u	25	360m	2.0m	175 J	TO-46
-	2N3638	See Index	25	30	800m	100M	20p	35n	25	620m	3.0m	150 J	TO-92
-	2S323	Hybrid Semi	25	35	50m	2.0M	40p	10u	25	300m	2.4m	200 J	TO-58
30	2S323	Genrl Diode	25	35	50m	2.0M	40p	10u	25	300m	2.4m	200 J	TO-58
-	2S323	SemiconTech	25	35	50m	2.0M	40p	10u	25	300m	2.4m	200 J	TO-58
-	2S303	See Index	25	35	100m	1.2M	40p	10u	25	300m	1.7m	175 J	TO-5
-	2N924	See Index	25	47	50m	800K	20p		40	150m	833u	175	TO-18
35	HSE140	Hybrid Semi	25	50		150M		1.0u	30	600m	4.8m	150 J	TO-5
-	0414	Advncd Semi	25	50	100m	100M	9.0p		25	200m			TO-106
-	0414	Semi Inc	25	50	100m	100M	9.0p		25	200m			TO-106
-	MPS6562	See Index	25	50	500m	60M	30p	100n	25	625m	5.0m	150 J	TO-226AA
-	ZTX500	FerrantiLtd	25	50	500m	150M	6.0p	200n	25	300m	3.0m	175 S	TO-92var
-	MPS6563	See Index	25	50	600m	60M	30p	100n	25	625m	5.0m	150 J	TO-92
40	MPSD56	See Index	25	50	800m	100M		1.0u	25	350m	2.8m	150 J	TO-92
-	C155	Powerex Inc	25	50	-2	120M				800m			TO-92
-	C155	Advncd Semi	25	50	-2	120M				800m			TO-92
-	C155	Semi Inc	25	50	-2	120M				800m			TO-92
45	C155P	Advncd Semi	25	50	-2	120M				750m			TO-237AA
-	C155P	Semi Inc	25	50	-2	120M				750m			TO-237AA
-	ZT180	FerrantiLtd	25	55	500m	150M	15p	500n	25	300m	2.4m	150 J	TO-18
-	2SB643	Matsushita	25	60			6.0p	100n	30	600m	5.4m	135 J	SIP
-	HA9049	SemiconTech	25	60	100m	25M	8.0p	200n	25	275m	1.8m	175 J	TO-5
-	HA9049	Genrl Diode	25	60	100m	25M	8.0p	200n	25	275m	1.8m	175 J	TO-5
50	0413	Semi Inc	25	60	100m	100M	5.0p		40	200m			TO-106
-	0413	Advncd Semi	25	60	100m	100M	5.0p		40	200m			TO-106
-	BC181	Mistral SpA	25	60	200m			100n	40	300m	2.4m	150 S	TO-92var
-	BC181	Semelab	25	60	200m			100n	40	300m	2.4m	150 S	TO-92var
55	BC181	NthAmerSemi	25	60	200m			100n	40	300m	2.4m	150 S	TO-92var
-	BC381	Micro Elecs	25	60	200m			100n	40	625m	5.0m	150 S	N/A
-	BC381	Advncd Semi	25	60	200m			100n	40	625m	5.0m	150 S	N/A
-	BC381	Semi Inc	25	60	200m			100n	40	625m	5.0m	150 S	N/A
-	A8T3702	SemiconTech	25	60	200m	100M	12p	100n	40	625m	5.0m	150 S	TO-92
60	MPS9462	Micro Elecs	25	60	500m			50n	20	350m		150 J	TO-92
-	BC192	CentralSemi	25	60	500m	100M	12p	100n	25	400m	2.2m	175 J	TO-18
-	BC192	NthAmerSemi	25	60	500m	100M	12p	100n	25	400m	2.2m	175 J	TO-18
-	BC192	Micro Elecs	25	60	500m	100M	12p	100n	25	400m	2.2m	175 J	TO-18
65	PET3702	SemiconTech	25	60	500m	100M	12p	100n	40	360m	3.6m	125 J	TO-106
-	2N3702	See Index	25	60	500m	100M	12p	100n	40	620m	2.8m	150 S	TO-92
-	MPS3702	See Index	25	60	600m	100M	12p	100n	40	625m	5.0m	150 J	TO-226AA
-	2N5811	See Index	25	60	750m		15p	100n	35	500m	4.5m	135 J	TO-92
-	GES5811	GE Solid St	25	60	750m	125M		100n	35	500m	4.5m	150 J	TO-92
-	D29E1	SprgueElec	25	60	800m	100M		100n	35	500m	4.0m	150 J	TO-98
-	D29E1	GE Solid St	25	60	800m	100M		100n	35	500m	4.0m	150 J	TO-98
70	TP5447	SprgueElec	25	60	800m	100M	12p	100n	40			150 J	TO-226
-	2N5447	See Index	25	60	800m	100M	12p	100n	40	620m	2.9m	150 J	TO-18
-	2SB544	Sanyo Elect	25	60	1.0	180M	25p	1.0u	25	750m		125	TO-92var
-	PN5447	Natl Semi	25	60	1.5			100n	40	360m	2.8m	150 J	TO-92
75	CS9012	See Index	25	64	1.0			500n	25	600m	3.6m	135 J	TO-92
-	BC308VI	See Index	25	70	100m	130M		100n	30	300m	2.4m	150 J	TO-226AA
-	BC308VI18	Motorola	25	70	100m	130M		100n	30	300m	2.4m	150 J	TO-18
-	BC308VI5	Motorola	25	70	100m	130M		100n	30	300m	2.4m	150 J	TO-5
-	BC158	See Index	25	75	100m	150M		100n	30	350m	3.5m	125 J	N/A
-	BC418	NthAmerSemi	25	75	100m	150M		15u	30	250m	2.5m	125 J	TO-106
80	SF158	Semi Ltd	25	75	200m	150M	4.0p	100n	30	200m			TO-106
-	MPSD55	See Index	25	80	600m	100M		1.0u	25	350m	2.8m	150 J	TO-226AA
-	MSB492	Semi Inc	25	80	-2	100M	28p			800m			TO-92
-	2S303A	Semelab	25	85	100m	1.2M				300m			TO-39
85	2SB641	Matsushita	25	90	200m		3.5p	1.0u	30	400m	3.6m	135 J	SIP
-	ZT187	FerrantiLtd	25	90	500m	150M	15p	500n	25	300m	2.4m	150 J	TO-18
-	2SA952	NEC Corp JA	25	90	700m	50M	17p	100n	30	600m	4.8m	150 J	TO-92
-	2SA952	NECElecsinc	25	90	700m	50M	17p	100n	30	600m	4.8m	150 J	TO-92
-	2SA952	Micro Elecs	25	90	700m	50M	17p	100n	30	600m	4.8m	150 J	TO-92
90	MMBT3638A	Natl Semi	25	100				35n	25				TO-236var
-	MMBT3638A	Motorola	25	100				35n	25				TO-236var
-	TMP73638A	SprgueElec	25	100		100M	10p		35n				N/A
-	SS3638A	SldSt Indus	25	100		150M	10p			360m			N/A
-	BC334	Advncd Semi	25	100	50m	50M	4.0p			310m			TO-92
95	BC334	Semi Inc	25	100	50m	50M	4.0p			310m			