

# POWER SILICON NPN

Item Number	Part Number	Manufacturer	I <sub>c</sub> Max (A)	V <sub>(BR)CEO</sub> (V)	h <sub>FE</sub>		f <sub>T</sub> (Hz)	I <sub>CBO</sub> Max (A)	t <sub>r</sub> Max (s)	t <sub>f</sub> Max (s)	P <sub>D</sub> Max (W)	T <sub>Oper</sub> Max (°C)	Package Style
					Min	Max							
<b>I(C) &lt; 1 A, (Cont'd)</b>													
-	2SD356	Solid Stinc	800m	80	55	300	70M	10u			10	140 J	N/A
-	2SD356	Advncd Semi	800m	80	55	300	70M	10u			10	140 J	N/A
-	2SD356	Semi Inc	800m	80	55	300	70M	10u			10	140 J	N/A
-	2SD415	NEC Corp JA	800m	100	40	250	80M	1.0u			10	140 J	TO-126var
5	2SD415	NECElecsInc	800m	100	40	250	80M	1.0u			10	140 J	TO-126var
-	2SD357	MitsubiElec	800m	100	55	300	70M	10u			10	140 J	N/A
-	2SD358	MitsubiElec	800m	120	55	300	70M	10u			10	140 J	N/A
-	2SD358	Solid Stinc	800m	120	55	300	70M	10u			10	140 J	N/A
-	S1732	ToshibaCorp	800m	120	60	250	50M	10u			1.5	140 J	TO-202
10	2SC3425	ToshibaCorp	800m	400	20	100		100u	1.5u	1.5u	1.2	140 J	TO-126var
-	2SC3496	Matsushita	800m	800	5.0			100u	3.0u		20	140 J	SOT-186
-	2SC3405	ToshibaCorp	800m	800	12			100u	1.0u	1.0u	1.0	140 J	TO-252var
-	2SC4062 (A)	NEC Corp JA	7.5	100	450	800		10u			2.0	140 J	SOT-186
<b>I(C) &gt;= 1 A</b>													
-	2SC1034	Solid Stinc	1.0		4.0	40	5.0M	5.0m			25	140 J	TO-66var
15	40327	See Index	1.0		40	250		100u			1.0	175 J	TO-5
-	11CB5	SemiconTech	1.0	.25	20	60	.13k	.01m	.07u		15	175 J	TO-37var
-	11CB7	SemiconTech	1.0	.25	20		.13k	.10m	.07u		15	175 J	TO-37var
-	11CB3	SemiconTech	1.0	.25	40	120	.13k	.01m	.07u		15	175 J	TO-37var
-	11CB1	SemiconTech	1.0	.25	100	300	.13k	.01m	.07u		15	175 J	TO-37var
20	11CB6	SemiconTech	1.0	.35	20	60	.13k	.01m	.07u		15	175 J	TO-37var
-	11CB8	SemiconTech	1.0	.35	20		.13k	.10m	.07u		15	175 J	TO-37var
-	11CB4	SemiconTech	1.0	.35	40	120	.13k	.01m	.07u		15	175 J	TO-37var
-	11CB2	SemiconTech	1.0	.35	100	300	.13k	.01m	.07u		15	175 J	TO-37var
-	2N1711A	See Index	1.0	7.0	100	300	70M	2.0m			1.0	175 J	TO-5
25	2SC3404	MitsubiElec	1.0	9.0	10	180		200u			5.0	175 J	Macro-X
-	2SC3017	MitsubiElec	1.0	9.0	20	180		200u			4.0	175 J	TO-39
-	2SD1946 (A)	Hitachi Ltd	1.0	10	400	2.0k		100n			1.0	140 J	SOT-23
-	PT8891	TRW Optron	1.0	14	20			5m			13	140 J	Macro-X
-	PT8891A	TRW Optron	1.0	14	20			5m			13	140 J	SIX-8
30	PT8866	TRW Optron	1.0	16	20	40		5m			8	140 J	TO-39
-	2SC3020	MitsubiElec	1.0	17	10	180		300u			10	175 J	RFMOD
-	2SC3101	MitsubiElec	1.0	17	10	180		300u			10	175 J	TO-39
-	A3-12	Acrian Inc	1.0		18		50M				20	175 J	SIX-8
-	MRF260	Motorola	1.0	18	5.0			.25m			12	140 S	TO-220
35	MRF260	NthAmerSemi	1.0	18	5.0			.25m			12	140 S	TO-220
-	2N5846	See Index	1.0	18	5.0			500u			10	175 S	TO-102
-	2N6080	See Index	1.0	18	5.0			250u			12	175 S	SIX-8
-	2N6255	See Index	1.0	18	5.0			250u			5.0	175 S	TO-39
-	2N6366	Space Power	1.0	18	5.0	50	50M	5.0m			10	175 S	TO-102
40	2N6366	CrimsonSemi	1.0	18	5.0	50	50M	5.0m			10	175 S	TO-102
-	2N6366	Gnrl Trans	1.0	18	5.0	50	50M	5.0m			10	175 S	TO-102
-	MRF476	Motorola	1.0	18	10	50	30M	500u			10	140 S	TO-220AB
-	2N5699	NthAmerSemi	1.0	18	15			1.5m			10	175 S	TO-129
-	2N5699	TIC Semi	1.0	18	15			1.5m			10	175 S	TO-129
45	2N5699	Space Power	1.0	18	15			1.5m			10	175 S	TO-129
-	BCX68-10	Siemens Akt	1.0	20	63	160	100M	100n			1.0	140 J	SOT-89
-	BCP68	PhilipsElec	1.0	20	85	375	60M	10u			1.5	140 J	SOT-223
-	BCX68-16	Siemens Akt	1.0	20	100	250	100M	100n			1.0	140 J	SOT-89
-	BCX68-25	Siemens Akt	1.0	20	160	400	100M	100n			1.0	140 J	SOT-89
50	2SD400P1	Sanyo Elect	1.0	25	60	560		1.0u			1.2	140 J	TO-3
-	2SD400P2	Sanyo Elect	1.0	25	60	560		1.0u			1.2	140 J	TO-3
-	2SD1870 (A)	Hitachi Ltd	1.0	25	1.0k	3.0k		200n			1.0	140 J	SOT-23
-	2N6207	See Index	1.0	30				5.0m			20	175 S	SIX-1/4
-	MRF8004	Motorola	1.0	30	10			10u			5.0	175 S	TO-39
55	2SD219F	Sanken Elec	1.0	30	40		8.0	1.0u			10	140 J	TO-37var
-	MPS6714	Motorola	1.0	30	50	250	500M	100n			2.5	140 J	TO-226AE
-	MPSW01	Motorola	1.0	30	55		50M	100n			2.5	140 J	TO-226AE
-	MPSW01	Natl Semi	1.0	30	55		50M	100n			2.5	140 J	TO-226AE
60	2N6203	Space Power	1.0	33				5.0m			20	175 S	SIX-8
-	2N6203	Acrian Inc	1.0	33				5.0m			20	175 S	SIX-8
-	2N6203	CrimsonSemi	1.0	33				5.0m			20	175 S	SIX-8
-	2N6197	Space Power	1.0	35				2.0m			10	175 S	SIX-8
-	2N6197	Acrian Inc	1.0	35				2.0m			10	175 S	SIX-8
-	2N6197	CrimsonSemi	1.0	35				2.0m			10	175 S	SIX-8
65	SD1013	ThmsnCSFEFC	1.0	35	5.0			1.0m			15	175 S	SIX-8
-	SD1220-1	ThmsnCSFEFC	1.0	35	5.0			1.0m			15	200 J	SOT-121var
-	SD1013-3	ThmsnCSFEFC	1.0	35	5.0			1.0m			13	200 J	SOT-123var
-	2N1509	See Index	1.0	35	20	60	50M	30u	130n	320n	1.0	175 J	TO-39
-	2SD146	Solid Stinc	1.0	35	30	150	1.4M	20u			20	175 J	TO-66var
70	2SC2086	MitsubiElec	1.0	35	35	300		100u			800m	135 J	TO-92
-	2N1680	See Index	1.0	35	40	120	50M	30u	130n	320n	1.0	175 J	TO-39
-	DTL1661	Diode Trans	1.0	40		80	2.5M				52		TO-66
-	2N3733	See Index	1.0	40	10	150		500u			23	175 S	TO-60
-	40305	See Index	1.0	40	10			100n			7.0	175 J	TO-39
75	SSP58	SldSt Indus	1.0	40	15	75					30		N/A
-	MJD29	Motorola	1.0	40	15	75	3.0M	50u	500n	2.0u	15	140 J	TO-252var
-	TIP29	See Index	1.0	40	15	75	3.0M	300u	500n	2.0u	2.0	140 J	TO-220AB
-	KT625AM	V/O Electro	1.0	40	20	200		30u	60n		1	125 J	ZIP
-	2N4430	See Index	1.0	40	20	200		2.0m			10	175 J	TO-129
80	2N1700	See Index	1.0	40	20	80	400k	75u			5.0	175 J	TO-5
-	DTL1641	Diode Trans	1.0	40	20	60	2.5M				52		TO-66
-	2N4910	See Index	1.0	40	20	100	3.0M	100u			25	175 J	TO-66
-	2N4921	See Index	1.0	40	30	150	3.0M	100u			30	140 J	TO-126var
-	DTL1651	Diode Trans	1.0	40	40	120	2.5M				52		TO-66
85	BC140A	FerrantiLtd	1.0	40	40	100	50M	100n	250n	850n	3.7	175 S	TO-39
-	BSX45	See Index	1.0	40	40	250	50M	30n	200n	850n	5.0	175 J	TO-205AD
-	BSX45-6	See Index	1.0	40	40	100	50M	10n	15n	15n	5.0	175 J	TO-205AD
-	MPS6715	Motorola	1.0	40	50	250	500M	100n			2.5	140 J	TO-226AE
-	MPSW01A	Natl Semi	1.0	40	55		50M	100n			2.5	140 J	TO-226AE
90	MPSW01A	Motorola	1.0	40	55		50M	100n			2.5	140 J	TO-226AE
-	BC140B	FerrantiLtd	1.0	40	63	160	50M	100n	250n	850n	3.7	175 S	TO-39
-	BSX45-10	See Index	1.0	40	63	160	50M	10n	15n	15n	5.0	175 J	TO-205AD
-	BC140C	FerrantiLtd	1.0	40	100	250	50M	100n	250n	850n	3.7	175 S	TO-39
-	BSX45-16	See Index	1.0	40	100	250	50M	10n	15n	15n	5.0	175 J	TO-205AD