

# 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>CSO</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>													
-	BUX87	See Index	500m	450	50	50	20M	100u	400n	.40u	20	135 J	TO-126
-	2N5010	See Index	500m	500	30	180	20M	6.0u			2.0	175 S	TO-5
-	2N5011	See Index	500m	600	30	180	20M	6.0u			2.0	175 S	TO-5
5	2SC1004	Indust Mexi	500m	700	30	160	2.0M	10u			50	140 J	TO-3
-	2N5012	See Index	500m	700	30	180	20M	6.0u			2.0	175 S	TO-5
-	2SC3184	Sanyo Elect	0.5	800	10		15M	10u	1.0u		30	140 J	TO-220
-	2SC1004A	Indust Mexi	500m	800	30	160	2.0M	10u			50	140 J	TO-3
-	2N5013	See Index	500m	800	30	180	20M	12u			2.0	175 S	TO-5
-	2N5014	See Index	500m	900	30	180	20M	12u			2.0	175 S	TO-5
10	2N5015	See Index	500m	1.0k	30	180	20M	12u			2.0	175 S	TO-5
-	2N5015S	Semelab	500m	1.0k	30	180	20M				2.0	175 S	TO-39
-	SD1409	Space Power	0.6	16	20			5m			8.7	175 J	SIX-8
-	SD1409	ThmsnCSFEFC	0.6	16	20			5m			8.7	175 J	SIX-8
15	2SC2931	MitsubiElec	.60	17	10	180		1.0m			10	175 J	N/A
-	2SC1970	MitsubiElec	600m	17	10	180		100u			1.0	140 J	TO-220
-	2SC1620	Elec Trans	600m	18	10	200		100u			10	175 J	TO-131
-	2SC22	Hybrid Semi	600m	50	20	100		2.0u			13	175 J	TO-8
-	GES5551	GE Solid St	600m	160	80	250	50M	50n			350m	140 J	TO-92
-	TH596	ThmsnCSFEFC	0.7	24	20	120		1m			8.7	175 J	SIX-8
20	2SC3116	Sanyo Elect	0.7	160	100	400	120M	0.1u			10	135 C	TO-126
-	2SD859	Matsushita	0.7	250	40	250		1.0m	2.2u		35	140 J	TO-220
-	2SD859A	Matsushita	0.7	300	40	250		1.0m	2.2u		35	140 J	TO-220
-	40326	See Index	700m		40	200		250n			1.0	175 J	TO-5
-	40635	See Index	700m		50	250		10u			1.0	175 A	TO-5
25	2SD1458	Matsushita	700m	20	1.0k	2.5k		1.0u			1.0	140 J	SIP
-	2SD1483	Matsushita	700m	20	1.0k	2.5k		1.0u			1.0	140 J	SOT-23
-	2N5768	Space Power	700m	25	20			10m			20	175 S	SIX-1/4
-	2N5768	CrimsonSemi	700m	25	20			10m			20	175 S	SIX-1/4
-	40611	See Index	700m	25	70	500		500n			1.0	175 A	TO-5
30	40611L	SemiconTech	700m	25	70	500		500n			1.0	175 A	TO-5
-	40611S	SemiconTech	700m	25	70	500		500n			1.0	175 A	TO-39
-	2N5483	Space Power	700m	30	20	250		6.0m			20	175 S	SIX-8
-	2N5483	Diode Trans	700m	30	20	250		6.0m			20	175 S	SIX-8
35	2N5483	CrimsonSemi	700m	30	20	250		6.0m			20	175 S	SIX-8
-	40616	See Index	700m	32	70	500		500n			1.0	175 A	TO-5
-	40616L	SemiconTech	700m	32	70	500		500n			1.0	175 A	TO-5
-	40616S	SemiconTech	700m	32	70	500		500n			1.0	175 A	TO-39
-	40317	See Index	700m	40	40	200		250n			1.0	175 J	TO-5
40	40317L	SemiconTech	700m	40	40	200		250n			1.0	175 J	TO-5
-	40317S	SemiconTech	700m	40	40	200		250n			1.0	175 J	TO-39
-	40320	See Index	700m	40	40	200		250n			1.0	175 J	TO-5
-	40320L	SemiconTech	700m	40	40	200		250m			1.0	175 J	TO-5
-	40320S	SemiconTech	700m	40	40	200		250m			1.0	175 J	TO-39
45	40326L	SemiconTech	700m	40	40	200		250n			1.0	175 J	TO-5
-	40326S	SemiconTech	700m	40	40	200		250n			1.0	175 J	TO-39
-	2SD204	Solid Stnc	700m	45	40	200		3.0u			9.0	175 J	TO-5
-	40909	CrimsonSemi	700m	50				2.0m			10	175 J	TO-201AA
-	2N2950	See Index	700m	60	5.0	100		100n			6.0	175 C	SIR-6
-	2N3296	See Index	700m	60	5.0	50	50M	100n			6.0	175 C	SIR-6
50	KSC2331	Samsung	700m	60	40	240	50M	100n			1.0	140 J	TO-92
-	40635L	SemiconTech	700m	75	50	250		10u			1.0	175 A	TO-5
-	40635S	SemiconTech	700m	75	50	250		10u			1.0	175 A	TO-39
55	2SC960	Solid Stnc	700m	80	40	200	50M	3.0u			1.0	140 J	TO-37var
-	2SC1755	Sanyo Elect	700m	300	200	50M	100n				15	140 S	TO-220AB
-	2SC1756	Sanyo Elect	700m	300	200	50M	100n				15	140 S	TO-220
-	2SC1757	Sanyo Elect	700m	300	200	50M	100n				15	140 S	TO-220AB
-	2SC2494K	NEC Corp JA	750m		20	200		100u			8.8	175 J	RFMOD
-	2SC2494M	NEC Corp JA	750m		20	200		100u			8.8	175 J	RFMOD
60	PT8860	TRW Optron	750m	16	10	200	88M				5.0	140 S	TO-39
-	2N5703	See Index	750m	18	15			1.0m			10	175 S	TO-117
-	2SC2283K	NEC Corp JA	.75	18	20	200		.25m			10	175 J	RFMOD
-	2SC2283M	NEC Corp JA	.75	18	20	200		.25m			10	175 J	RFMOD
65	2SC2286AK	NEC Corp JA	.75	18	20	200		.25m			10	175 J	RFMOD
-	2SC2286AM	NEC Corp JA	.75	18	20	200		.25m			10	175 J	RFMOD
-	2SC1405	Elec Trans	750m	18	40			50u			10	175 J	TO-131
-	2N5764	Space Power	750m	25	20			5.0m			10	175 S	SIX-1/4
-	2N5764	CrimsonSemi	750m	25	20			5.0m			10	175 S	SIX-1/4
-	2N5918	See Index	750m	30				5.0m			10	175 S	SIX-6
70	TPV366	TRW Optron	750m	30	10	150					19	175 J	SIX-8
-	2N5923	Diode Trans	750m	35				10m			6.0	175 S	SIX-8
-	2N5923	TIC Semi	750m	35				10m			6.0	175 S	SIX-8
-	2N5923	Space Power	750m	35				10m			6.0	175 S	SIX-8
75	2N5711	CrimsonSemi	750m	36	20			200u			10	175 S	TO-117
-	2N5711	Space Power	750m	36	20			200u			10	175 S	TO-117
-	2N1718	See Index	750m	60	20	60	16M	1.0u			2.0	175 J	SIR-10
-	2N1720	See Index	750m	60	40	120	16M	1.0u			2.0	175 J	SIR-10
-	2N1047B	See Index	750m	80	12	36	125k	10u			1.0	175 J	TO-57
-	2N1049B	See Index	750m	80	30	90	125k	10u			1.0	175 J	TO-57
80	2SC1626O	Indust Mexi	750m	80	70	140	30M				1.5		TO-220
-	2SC1626Y	Indust Mexi	750m	80	120	240	30M				1.5		TO-220
-	2N1719	See Index	750m	100	20	60	16M	1.0u			2.0	175 J	SIR-10
-	2N1721	See Index	750m	100	40	120	16M	1.0u			2.0	175 J	SIR-10
85	2N1048B	See Index	750m	120	12	36	125k	10u			1.0	175 J	TO-57
-	2N1050B	See Index	750m	120	30	90	125k	10u			1.0	175 J	TO-57
-	2SD1249	Matsushita	750m	250	40	250		1.0m	2.0u		35	140 J	TO-220var
-	2SD1263	Matsushita	750m	250	40	250	50M	1.0m	2.0u		35	140 J	SOT-186
-	2SD1249A	Matsushita	750m	300	40	250		1.0m	2.0u		35	140 J	TO-220var
-	2SD1263A	Matsushita	750m	300	40	250		1.0m	2.0u		35	140 J	SOT-186
90	2SC3051	ToshibaCorp	0.8	400	20	100		100u	1.0u	1.5u	10	140 J	TO-126
-	2SC3075	ToshibaCorp	0.8	400	20	100		100u	1.0u	1.5u	10	140 J	TO-251
-	2SC1955	ToshibaCorp	800m	17	10	200		1.0m			7.5	175 J	TO-39
-	2SC2117	ToshibaCorp	800m	17	10	150		1.0m			7.5	175 J	TO-37var
-	2SD359	See Index	800m	20	55	300	70M	1.0u			10	140 J	N/A
95	2SD360	See Index	800m	20	55	300	70M	1.0u			10	140 J	N/A
-	TN1711	Natl Semi	800m	50	100	300	70M	10n			2.0	140 J	TO-237var
-	2SD414	NEC Corp JA	800m	80	40	250	80M	1.0u			10	140 J	TO-126var
-	2SD414	NECElecsinc	800m	80	40	250	80M	1.0u			10	140 J	TO-126var