

# 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) &gt;= 5 A, (Cont'd)</b>													
-	SDT7403	Soliton	5.0	80	40	120	15M	1.0u			9.0	175 J	TO-5
-	SDT7403	PPC Product	5.0	80	40	120	15M	1.0u			9.0	175 J	TO-5
-	SDT7416	Soliton	5.0	80	40	120	15M	1.0u			9.0	175 J	TO-5
-	SDT7416	PPC Product	5.0	80	40	120	15M	1.0u			9.0	175 J	TO-5
5	SDT7416	Sid St Dvcs	5.0	80	40	120	15M	1.0u			9.0	175 J	TO-5
-	2N4150	See Index	5.0	80	40	120	15M	100n	200n	200n	5.0	175 J	TO-5
-	2SC2484	Matsushita	5.0	80	40	200	15M	50u			60	140 J	TO-218var
-	2SD586	NECElectsinc	5.0	80	40	200	19M	10u			60	140 J	SIP-Flange
-	SDT4454	See Index	5.0	80	40	120	20M	1.0u			7.0	175 J	TO-5
10	2N2633	See Index	5.0	80	40	120	20M	100n	80n	80n	20	175 J	STR-10
-	2N2658	See Index	5.0	80	40	120	20M	100n	80n	80n	1.2	175 J	TO-5
-	2N2698	See Index	5.0	80	40	120	20M	100n	80n	80n	10	175 C	SIR-6
-	SDT6014	Sid St Dvcs	5.0	80	40	120	30M	1.0u			40	175 J	SIR-10
-	SDT6014	CrimsonSemi	5.0	80	40	120	30M	1.0u			40	175 J	SIR-10
15	SDT6313	Soliton	5.0	80	40	120	30M	1.0u			52	175 J	TO-111
-	SDT6313	Sid St Dvcs	5.0	80	40	120	30M	1.0u			52	175 J	TO-111
-	SDT6313	PPC Product	5.0	80	40	120	30M	1.0u			52	175 J	TO-111
-	SDT6413	PPC Product	5.0	80	40	120	30M	1.0u			52	175 J	TO-111
-	SDT6413	Soliton	5.0	80	40	120	30M	1.0u			52	175 J	TO-111
20	SDT6413	Sid St Dvcs	5.0	80	40	120	30M	1.0u			52	175 J	TO-111
-	SDT6420	PPC Product	5.0	80	40	120	30M				52	175 J	TO-111
-	SDT6420	Soliton	5.0	80	40	120	30M				52	175 J	TO-111
-	BUY39	Semelab	5.0	80	40	240	40M	50u			2.0	175 J	SIR-10
-	BUY40	Semelab	5.0	80	40	240	40M	50u			2.0	175 J	SIR-10
25	SDT3403	PPC Product	5.0	80	40	120	40M	10u	500n	300n	52	175 J	TO-111
-	SDT3403	Sid St Dvcs	5.0	80	40	120	40M	10u	500n	300n	52	175 J	TO-111
-	SDT3403	Soliton	5.0	80	40	120	40M	10u	500n	300n	52	175 J	TO-111
-	SDT3423	PPC Product	5.0	80	40	120	40M	.01m	.50u		9.0	175 J	TO-5
-	SDT3423	Sid St Dvcs	5.0	80	40	120	40M	.01m	.50u		9.0	175 J	TO-5
30	SDT3423	Soliton	5.0	80	40	120	40M	.01m	.50u		9.0	175 J	TO-5
-	2N3749	See Index	5.0	80	40	120	40M	100n	80n	80n	30	175 J	SIR-10
-	BUR10	Semelab	5.0	80	40	120	50M	.10u	80n	80n	30	175 J	TO-66
-	BUR10	SGS-Ates	5.0	80	40	120	50M	.10u	80n	80n	30	175 J	TO-66
-	BUR10	NthAmerSemi	5.0	80	40	120	50M	.10u	80n	80n	30	175 J	TO-66
35	SVT80-5	SemiconTech	5.0	80	40	50	50M	100u	140n	100n	11	175 J	TO-39
-	SVT80-5	PPC Product	5.0	80	40	50	50M	100u	140n	100n	11	175 J	TO-39
-	SVT80-5	TRW Optron	5.0	80	40	50	50M	100u	140n	100n	11	175 J	TO-39
-	2N2880	See Index	5.0	80	40	120	50M	100n	80n	80n	30	175 J	TO-111
-	2N4113	See Index	5.0	80	40	120	50M	2.0m			30	140 J	TO-3
40	2N4115	See Index	5.0	80	40	120	50M	2.0m			37	175 J	STR-10
-	2N4305	See Index	5.0	80	50	150	10u		90n	100n	1.5	175 J	TO-5
-	2N4306	See Index	5.0	80	50	150	10u		90n	100n	4.0	175 C	SIR-8
-	2N4309	See Index	5.0	80	50	150	10u		90n	100n	1.5	175 J	TO-5
45	2SC520	Solid Stinc	5.0	80	50	20k	10m				50	140 J	TO-3
-	2N1725	See Index	5.0	80	50	150	10M	100u			3.0	175 J	TO-61
-	2N3850	See Index	5.0	80	50	150	20M	100n	150n	200n	30	175 C	TO-59
-	SDT5636	Soliton	5.0	80	50	150	30M				44	175 J	TO-111
-	SDT6383	Soliton	5.0	80	50	150	30M				52	175 J	TO-111
-	2N2893	See Index	5.0	80	50	150	30M	100n	300n	1.5u	30	175 J	TO-59
50	2N5326	See Index	5.0	80	50	150	80M		150n	400n	20	175 J	TO-59
-	2SC2516AL	NEC Corp JA	5.0	80	60	120		10u	0.5u	0.5u	30	140 J	TO-220AB
-	2SC3367	Hitachi Ltd	5.0	80	60	240		0.5u	0.3u	0.2u	40	140 J	TO-220
-	2SD961	Matsushita	5.0	80	60	260		10u	0.1u		40	140 J	TO-220
-	2N5337	See Index	5.0	80	60	240	30M	10u	100n	200n	6.0	175 J	TO-39
55	2SD1256	Matsushita	5.0	80	60	260	30M	10u	1.5u		40	140 J	TO-220var
-	2SD1270	Matsushita	5.0	80	60	260	30M	10u	1.5u		40	140 J	SOT-186
-	2N3997	See Index	5.0	80	60	200	40M	5.0u	300n	2.0u	2.0	175 J	SIR-10
-	2N3999	See Index	5.0	80	60	200	40M	5.0u	300n	2.0u	2.0	175 J	SIR-10
-	2SC3258	ToshibaCorp	5.0	80	70	200	1.0u	200n	100n	30	140 J	TO-220AB	
60	2SC3303	ToshibaCorp	5.0	80	70	200	1.0u	200n	100n	20	140 J	TO-251	
-	2SC3308	ToshibaCorp	5.0	80	70	240	1.0u	200n	100n	30	140 J	TO-220var	
-	2SD1236Q	Sanyo Elect	5.0	80	70	140	20M	0.1m	0.4u		1.7	140 J	TO-220
-	2SD1906	Sanyo Elect	5.0	80	70	280	20M	100u	100n	400n	30	140 J	TO-220
65	2N5154S	Semelab	5.0	80	70	200	60M				10	175 J	TO-39
-	2N5004	See Index	5.0	80	70	200	70M	1.0m			50	175 J	TO-59
-	2N5285	See Index	5.0	80	70	200	70M	1.0m			50	175 J	TO-59
-	2N5610	See Index	5.0	80	70	200	70M	1.0m			25	175 J	TO-66
-	2N5618	See Index	5.0	80	70	200	70M	1.0m			50	175 J	TO-3
-	SDT1633	PPC Product	5.0	80	80	200	2.5M	10u	400n		105	175 J	TO-3
70	SDT1633	Soliton	5.0	80	80	200	2.5M	10u	400n		105	175 J	TO-3
-	SDT1663	Soliton	5.0	80	80	200	2.5M	10u	400n		52	175 J	TO-66
-	SDT1663	PPC Product	5.0	80	80	200	2.5M	10u	400n		52	175 J	TO-66
-	2SC2516AK	NEC Corp JA	5.0	80	100	200	10u	0.5u	0.5u		1.5	140 J	TO-220AB
75	SDT7419	PPC Product	5.0	80	100	15M	1.0u				9.0	175 J	TO-5
-	SDT7419	Soliton	5.0	80	100	15M	1.0u				9.0	175 J	TO-5
-	SDT7419	Sid St Dvcs	5.0	80	100	15M	1.0u				9.0	175 J	TO-5
-	SDT4456	See Index	5.0	80	100	20M	1.0u				7.0	175 J	TO-5
-	2SD1236R	Sanyo Elect	5.0	80	100	200	20M	0.1m	0.4u		1.7	140 J	TO-220
-	SDT6016	Sid St Dvcs	5.0	80	100	30M	1.0u				40	175 J	SIR-10
80	SDT6016	CrimsonSemi	5.0	80	100	30M	1.0u				40	175 J	STR-10
-	SDT6316	PPC Product	5.0	80	100	30M	1.0u				52	175 J	TO-111
-	SDT6316	Soliton	5.0	80	100	30M	1.0u				52	175 J	TO-111
-	SDT6316	Sid St Dvcs	5.0	80	100	30M	1.0u				52	175 J	TO-111
-	SDT6416	PPC Product	5.0	80	100	30M	1.0u				52	175 J	TO-111
85	SDT6416	Soliton	5.0	80	100	30M	1.0u				52	175 J	TO-111
-	SDT6416	Sid St Dvcs	5.0	80	100	30M	1.0u				52	175 J	TO-111
-	2N5487	See Index	5.0	80	100	300	40M	10u	125n	450n	15	175 J	TO-9var
-	2N3752	See Index	5.0	80	100	300	50M	100n	80n	80n	30	175 J	STR-10
-	2N4114	See Index	5.0	80	100	300	60M	2.0m			30	140 J	TO-3
90	2N4116	See Index	5.0	80	100	300	70M	2.0m			37	175 J	STR-10
-	2SD1236S	Sanyo Elect	5.0	80	140	280	20M	0.1m	0.4u		1.7	140 J	TO-220
-	2SC940	Solid Stinc	5.0	90	15	120		2.0m	1.0u		50	140 J	TO-3
-	SML1614A	Semelab	5.0	100			2.5M				105	175 J	TO-3
-	SML1624A	Semelab	5.0	100			2.5M				105	175 J	TO-3
95	SML1634A	Semelab	5.0	100									