

# 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;= 2.5 A, (Cont'd)</b>													
-	BDY78	Semelab	4.0	55	25	100	8.0M	1.0m			25	175 J	TO-66
-	BDY71	NthAmerSemi	4.0	55	80	200	800k	1.0m			29	175 J	TO-66
-	BDY71	GE Solid St	4.0	55	80	200	800k	1.0m			29	175 J	TO-66
-	BDY71	Semelab	4.0	55	80	200	800k	1.0m			29	175 J	TO-66
5	2SD2233	Semi Ltd	4.0	60	20						40		TO-3
-	40312	See Index	4.0	60	20	120	750k	10u			29	175 J	TO-66
-	1571-0620	Powerex Inc	4.0	60	20		800k	1.0			29	175 J	TO-66
-	MJE2481	CrimsonSemi	4.0	60	20	100	2.0M	100u			60	140 J	TO-127var
-	MJE2483	CrimsonSemi	4.0	60	20	100	2.0M	100u			60	140 J	TO-127var
10	BD439	See Index	4.0	60	20		3.0M	100u			36	140 J	TO-126
-	2N4877	See Index	4.0	60	20	100	30M	100u	300n	500n	1.0	175 J	TO-39
-	2SC646	Elec Trans	4.0	60	20	200	50M	10u			25	140 J	TO-3
-	2N3054	See Index	4.0	60	25	150	30k	1.0m			25	175 C	TO-66var
-	2N3054A	See Index	4.0	60	25	150	30k	1.0m			75	175 C	TO-66var
15	MJE5191J	Natl Semi	4.0	60	25	250	2.0M	100u			40	140 J	TO-126var
-	PTC163	Mallory	4.0	60	25	100	2.0M	100u			40		TO-126var
-	2N5191	See Index	4.0	60	25	100	2.0M	100u			40	140 J	TO-126var
-	2N6122	See Index	4.0	60	25	100	2.5M	100u		300n	40	140 J	TO-220AB
-	BD587	NthAmerSemi	4.0	60	25		3.0M	100u			42	140 J	TO-225var
20	BD587	Motorola	4.0	60	25		3.0M	100u			42	140 J	TO-225var
-	D44C7	See Index	4.0	60	25		50M	10u	100n	75n	30	140 J	TO-220
-	MJE225	See Index	4.0	60	25		50M	100n			1.5	140 J	TO-126
-	2SD1265	Matsushita	4.0	60	30	160	25k	30u			30	140 J	SOT-186
-	2SD1251	Matsushita	4.0	60	30	160	28k	30u			30	140 J	TO-220var
25	MJ481	NthAmerSemi	4.0	60	30	200	4.0M	1.0m			5.0	175 J	TO-3
-	MJ481	Semicoa	4.0	60	30	200	4.0M	1.0m			5.0	175 J	TO-3
-	MJ481	SiliconTran	4.0	60	30	200	4.0M	1.0m			5.0	175 J	TO-3
-	2SC2233	See Index	4.0	60	30	150	8.0M	10u			40	140 J	TO-220AB
-	2SD1253	Matsushita	4.0	60	40	250	400u	1.2u			40	140 J	TO-220var
30	2SD1267	Matsushita	4.0	60	40	250	400u	1.2u			40	140 J	SOT-186
-	2SD857	Matsushita	4.0	60	40	250	700u	1.6			40	140 J	TO-220
-	BDY81	NthAmerSemi	4.0	60	40	240	1.0M	200u			36	140 J	TO-220
-	BD148	NthAmerSemi	4.0	60	40	250	1.0M	2.0m			24	175 J	TO-3
-	BD189	See Index	4.0	60	40		2.0M	100u			40	140 J	TO-126var
35	BD273	NthAmerSemi	4.0	60	40		2.0M	100u			36	140 J	TO-127var
-	2SC789	See Index	4.0	60	40	240	3.0M	30u			30	140 J	TO-220
-	MH8500	Micro Elecs	4.0	60	40	240	5.0M				40		TO-220AB
-	M8500	Advncd Semi	4.0	60	40	240	5.0M				40		TO-220AB
-	M8500	Semi Inc	4.0	60	40	240	5.0M				40		TO-220AB
40	2SD257	Solid Stnc	4.0	60	40	80	8.0M	10u	1.2u	1.7u	25	140 J	TO-66
-	2SD257	Sanken Elec	4.0	60	40	80	8.0M	10u	1.2u	1.7u	25	140 J	TO-66
-	2SD315	Sanyo Elect	4.0	60	40	320	8.0M	100u			35	140 J	TO-66
-	2SD315	Solid Stnc	4.0	60	40	320	8.0M	100u			35	140 J	TO-66
45	2SC1826	Sanken Elec	4.0	60	40	400	10M	1.0m	1.2u		30	140 J	TO-220
-	D44C9	See Index	4.0	60	40	120	50M	10u	100n	75n	30	140 J	TO-220
-	MJE223	See Index	4.0	60	40	200	50M	100n			1.5	140 J	TO-126
-	MJE224	See Index	4.0	60	40	150	50M	100n			1.5	140 J	TO-126
-	2N6413	Semelab	4.0	60	40	250	50M	100u			15	140 J	TO-126var
-	2N6413	Space Power	4.0	60	40	250	50M	100u			15	140 J	TO-126var
50	2N6413	CrimsonSemi	4.0	60	40	250	50M	100u			15	140 J	TO-126var
-	2SD1134	Hitachi Ltd	4.0	60	60	320	7.0M				40		TO-220AB
-	2SD476AK	Hitachi Ltd	4.0	60	60	200	7M	1u	0.3u	3.0u	40	140 J	TO-220AB
-	2SD1778	Rohm Co Ltd	4.0	60	60	320	8.0M				40		TO-220
-	2SD1778	Rohm Corp	4.0	60	60	320	8.0M				40		TO-220
55	2SD1855	Rohm Corp	4.0	60	60	320	8.0M				30		TO-220
-	2SD1855	Rohm Co Ltd	4.0	60	60	320	8.0M				30		TO-220
-	SK3028	GE Solid St	4.0	60	70		1.0M				29	175 J	TO-66
-	SK3028	GE Solid St	4.0	60	70		1.0M				29	175 J	TO-66
-	D44C8	See Index	4.0	60	100	220	50M	10u	100n	75n	30	140 J	TO-220
60	MJE800T	Motorola	4.0	60	750		100u				50	140	TO-220AB
-	MJE800T	NthAmerSemi	4.0	60	750		100u				50	140	TO-220AB
-	2SD1601	Hitachi Ltd	4	60	1k	20k	100u		1.0n	1.0n	40	140 J	TO-220
-	2SD1602	Hitachi Ltd	4	60	1k	20k	100u		1.0u	1.0u	40	140 J	TO-220
-	2SD1190	Sanyo Elect	4.0	60	2.0k	5.0k	20M	0.1m	1.6u		1.7	140 J	TO-220
65	2SB1825	Sanyo Elect	4.0	60	5.0k		20M	100u	600n	1.6u	20	140 J	TO-220
-	2SD1092	ToshibaCorp	4.0	65	500	2.5k					80	140 J	TO-247S
-	2SD777	ToshibaCorp	4.0	65	500	2.5k					100	140 J	TO-3
-	2N5297	See Index	4.0	70	20	80	800k	100m			36	140 J	TO-220AB
-	2N5298	See Index	4.0	70	20	80	800k	100m			36	140 J	TO-220AB
70	2SD570	See Index	4.0	70	40	240	10M	30u			30	140 J	TO-220
-	2N5202	See Index	4.0	75	10	100	60M	10m	400n	400n	35	175 J	TO-66
-	2N5293	See Index	4.0	75	30	120	800k	100m			36	140 J	TO-220AB
-	2N5294	See Index	4.0	75	30	120	800k	100m			36	140 J	TO-220AB
75	2SC2166	MitsubiElec	4.0	75	35	180	100u				1.5	140 J	TO-220
-	BD441	See Index	4.0	80	15		3.0M	100u			36	140 J	TO-126
-	BD589	Motorola	4.0	80	15		3.0M	100u			42	140 J	TO-225var
-	BD589	NthAmerSemi	4.0	80	15		3.0M	100u			42	140 J	TO-225var
-	2SD1136	Hitachi Ltd	4.0	80	20				1.0u		30	140 J	TO-220
-	1571-0820	Powerex Inc	4.0	80	20		800k	1.0			29	175 J	TO-66
-	2N5192	See Index	4.0	80	20	80	2.0M	100u			40	140 J	TO-126var
-	2N6123	See Index	4.0	80	20	80	2.5M	100u			40	140 J	TO-220AB
-	2N6261	See Index	4.0	80	25	100	30k	500u			50	175 J	TO-66
-	1571-0825	Powerex Inc	4.0	80	25		800k	1.0			29	175 J	TO-66
85	40911	CrimsonSemi	4.0	80	25	100	800k	500u			5.8	175 J	TO-66var
-	MJE242	See Index	4.0	80	25		40M	100n			1.5	140 J	TO-126
-	D44C10	See Index	4.0	80	25		50M	10u	100n	75n	30	140 J	TO-220
-	2SD1251A	Matsushita	4.0	80	30	160	25k	30u			30	140 J	TO-220var
-	2SD1265A	Matsushita	4.0	80	30	160	25k	30u			30	140 J	SOT-186
-	2SD1253A	Matsushita	4.0	80	40	250	400u	1.2u			40	140 J	TO-220var
90	2SD1267A	Matsushita	4.0	80	40	250	400u	1.2u			40	140 J	SOT-186
-	2SD857A	Matsushita	4.0	80	40	250	700u		1.6		40	140 J	TO-220
-	BD149	NthAmerSemi	4.0	80	40	160	1.0M	2.0m			24	175 J	TO-3
-	BD149	Gentron	4.0	80	40	160	1.0M	2.0m			24	175 J	TO-3
-	BD275	NthAmerSemi	4.0	80	40		2.0M	100u			36	140 J	TO-127var
95	2SD526R	Indust Mexi	4.0	80	40	80	3.0M				30		TO-220
-	2SD1408	ToshibaCorp	4.0	80	40	240	5.0M	100u			25	140	TO-220var
-	IDD1408	Intl Device	4.0	80									