

# 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>													
-	EST011R	Gentron	6.0	100	25						500	125 J	Module-s
-	EST011RS	Gentron	6.0	100	25						500	125 J	Module-s
-	EST011S	Gentron	6.0	100	25						500	125 J	Module-s
-	EST012	Gentron	6.0	100	25						500	125 J	Module-s
5	EST012R	Gentron	6.0	100	25						500	125 J	Module-s
-	EST012RS	Gentron	6.0	100	25						500	125 J	Module-s
-	EST012S	Gentron	6.0	100	25						500	125 J	Module-s
-	EST019	Gentron	6.0	100	25						500	125 J	Module-s
-	EST019R	Gentron	6.0	100	25						500	125 J	Module-s
10	EST019RS	Gentron	6.0	100	25						500	125 J	Module-s
-	EST019S	Gentron	6.0	100	25						500	125 J	Module-s
-	EUT019	Gentron	6.0	100	25						300	125 J	TO-240
-	EUT019R	Gentron	6.0	100	25						300	125 J	TO-240
-	EUT019RS	Gentron	6.0	100	25						300	125 J	TO-240
15	EUT019S	Gentron	6.0	100	25						300	125 J	TO-240
-	LT011	Gentron	6.0	100	25						100	125 J	Module-q
-	LT011R	Gentron	6.0	100	25						100	125 J	Module-q
-	LT011RS	Gentron	6.0	100	25						100	125 J	Module-q
-	LT011S	Gentron	6.0	100	25						100	125 J	Module-q
20	LT012	Gentron	6.0	100	25						100	125 J	Module-q
-	LT012R	Gentron	6.0	100	25						100	125 J	Module-q
-	LT012RS	Gentron	6.0	100	25						100	125 J	Module-q
-	LT012S	Gentron	6.0	100	25						100	125 J	Module-q
-	LT019	Gentron	6.0	100	25						100	125 J	Module-q
25	LT019R	Gentron	6.0	100	25						100	125 J	Module-q
-	LT019RS	Gentron	6.0	100	25						100	125 J	Module-q
-	LT019S	Gentron	6.0	100	25						100	125 J	Module-q
-	2N1490	See Index	6.0	100	25	75	1.0M	25u			75	175 C	TO-3var
-	2N5758	See Index	6.0	100	25	100	1.0M	1.0m			150	175 J	TO-3
30	BD243C	See Index	6.0	100	30		3.0M	400u	300n	1.0u	65	140 J	TO-220AB
-	2SC1112	Sanken Elec	6.0	100	30	150	10M	1.0	1.2u	450n	50	140 J	TO-3
-	2SC1113	Sanken Elec	6.0	100	30		10M	10u			40	140 J	TO-66
-	152-10SPC	Solid Power	6.0	100	37			10m			100	140 J	TO-81
-	2SD371R	Indust Mexi	6.0	100	40	80	5.0M		7.0u	14u	50	140 J	TO-3
35	2SD587	NECElectsInc	6.0	100	40	200	10M	50u			70	140 J	SIP-Flange
-	2SD716	ToshibaCorp	6.0	100	55	160	10M	10u			60	175 J	TO-218var
-	2SD371O	Indust Mexi	6.0	100	70	140	8.0M				50		TO-3
-	2SD371Y	Indust Mexi	6.0	100	120	240	8.0M				50		TO-3
-	2SD1594	NEC Corp JA	6.0	100	800	3.2k	110M	10u			30	140 J	SOT-186
40	SPC151-12	Solid Power	6.0	120	11			10m			100	140 J	TO-82
-	151-12	Powerex Inc	6.0	120	11		500k	10m	7.0u		100	140 J	TO-81
-	MJE5180	NthAmerSemi	6.0	120	15	100	1.0M	400u			65	140 J	TO-220AB
-	MJE5180	Motorola	6.0	120	15	100	1.0M	400u			65	140 J	TO-220AB
-	SPC152-12	Solid Power	6.0	120	18			10m			100	140 J	TO-82
45	152-12	Syntar Ind	6.0	120	18		500k	10m	7.0u		100	140 J	TO-81
-	152-12	Powerex Inc	6.0	120	18		500k	10m	7.0u		100	140 J	TO-81
-	2N5759	See Index	6.0	120	20	80	1.0M	1.0m			150	175 J	TO-3
-	151-12SPC	Solid Power	6.0	120	22			10m	7.0u	14u	100	140 J	TO-81
-	TIP41D	Motorola	6.0	120	30		3.0M	0.7m	600n	1.0	65	140 J	TO-220AB
50	TIP41D	Texas Instr	6.0	120	30		3.0M	0.7m	600n	1.0	65	140 J	TO-220AB
-	KSD363	Samsung	6.0	120	30	150	10M	1.0m			40	140 J	TO-202
-	152-12SPC	Solid Power	6.0	120	37			10m	7.0u	14u	100	140 J	TO-81
-	2SD587A	NECElectsInc	6.0	120	40	200	17M	50u			70	140 J	SIP-Flange
55	2SD1486	Matsushita	6.0	120	40	200	20M	50u			70	140 J	TO-247var
-	2SD1031	Sanken Elec	6.0	120	700			100u			50	140 J	TO-220
-	2SD1606	Hitachi Ltd	6.0	120	1k	20k		100u	0.6u	2.0u	40	140 J	TO-220
-	2SD768K	Hitachi Ltd	6.0	120	1k	20k		100u	1u	3u	40	140 J	TO-220AB
-	BU311	NthAmerSemi	6.0	125	15		25M		1.0u		25	175	TO-3
-	BDY25A	SldStElecII	6.0	140							87		TO-3
60	BDY25A	NthAmerSemi	6.0	140							87		TO-3
-	BDY25B	NthAmerSemi	6.0	140							87		TO-3
-	BDY25B	SldStElecII	6.0	140							87		TO-3
-	BDY25C	SldStElecII	6.0	140							87		TO-3
-	SPC151-14	Solid Power	6.0	140	11			10m			100	140 J	TO-82
65	151-14	Powerex Inc	6.0	140	11		500k	10m	7.0u		100	140 J	TO-81
-	MJE5181	NthAmerSemi	6.0	140	15	100	1.0M	400u			65	140 J	TO-220AB
-	MJE5181	Motorola	6.0	140	15	100	1.0M	400u			65	140 J	TO-220AB
-	2N5760	See Index	6.0	140	15	60	1.0M	1.0m			150	175 J	TO-3
-	BDY25	See Index	6.0	140	15	180	10M	1.0m	500n		85	175 J	TO-3
70	182T2A	PPC Product	6.0	140	15	45	10M	1.0m			85	175 J	TO-3
-	SPC152-14	Solid Power	6.0	140	18			10m			100	140 J	TO-82
-	152-14	Powerex Inc	6.0	140	18		500k	10m	7.0u		100	140 J	TO-81
-	152-14	Syntar Ind	6.0	140	18		500k	10m	7.0u		100	140 J	TO-81
75	151-14SPC	Solid Power	6.0	140	22			10m	7.0u	14u	100	140 J	TO-81
-	TIP41E	Motorola	6.0	140	30		3.0M	0.7m	600n	1.0	65	140 J	TO-220AB
-	TIP41E	Texas Instr	6.0	140	30		3.0M	0.7m	600n	1.0	65	140 J	TO-220AB
-	182T2B	PPC Product	6.0	140	30	90	10M	1.0m			85	175 J	TO-3
-	152-14SPC	Solid Power	6.0	140	37			10m	7.0u	14u	100	140 J	TO-81
-	182T2C	PPC Product	6.0	140	75	180	10M	1.0m			85	175 J	TO-3
80	BU312	NthAmerSemi	6.0	150	10		25M		1.0u		25	175	TO-3
-	2SD353	Sanyo Elect	6.0	150	40		8.0M	10u			60	140 S	TO-3
-	BDX53S	SGS-Ates	6.0	150	500			.20m			1.0	175 J	TO-39
-	BDX53S	NthAmerSemi	6.0	150	500			.20m			1.0	175 J	TO-39
85	SPC151-16	Solid Power	6.0	160	11			10m			100	140 J	TO-82
-	151-16	Powerex Inc	6.0	160	11		500k	10m	7.0u		100	140 J	TO-81
-	MJE5182	Motorola	6.0	160	15	100	1.0M	400u			65	140 J	TO-220AB
-	MJE5182	NthAmerSemi	6.0	160	15	100	1.0M	400u			65	140 J	TO-220AB
-	SPC152-16	Solid Power	6.0	160	18			10m			100		TO-82
-	152-16	Syntar Ind	6.0	160	18		500k	10m	7.0u		100	140 J	TO-81
90	152-16	Powerex Inc	6.0	160	18		500k	10m	7.0u		100	140 J	TO-81
-	151-16SPC	Solid Power	6.0	160	22			10m	7.0u	14u	100	140 J	TO-81
-	TIP41F	Motorola	6.0	160	30		3.0M	0.7m	600n	1.0	65	140 J	TO-220AB
-	TIP41F	Texas Instr	6.0	160	30		3.0M	0.7m	600n	1.0	65	140 J	TO-220AB
-	152-16SPC	Solid Power	6.0	160	37			10m	7.0u	14u	100	140 J	TO-81
95	BDY26A	SldStElecII	6.0	180							87		TO-3
-	SPC151-18	Solid Power	6.0	180	11			10m			100	140 J	TO-82
-	151-18	Powerex Inc	6.0	180	11		500k	10m	7.0u		100	140 J	TO-81