

# 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;= 1 A, (Cont'd)</b>													
-	2SC522	ToshibaCorp	1.5	100	30	150	60M	1.0u	130n	200n	10	175 J	TO-37var
-	2N1482	See Index	1.5	100	35	100	1.5M	10u			5.0	175 C	TO-5
-	BDC01D	Motorola	1.5	100	40	400	50M	100n			2.5	140 J	TO-226AE
-	2SD381	Solid Stinc	1.5	120	40	250		1.0u			20	140	TO-220AB
5	2SD381	NECElectsInc	1.5	120	40	250		1.0u			20	140	TO-220AB
-	2SD381	NECElectsInc	1.5	120	40	250		1.0u			20	140	TO-220AB
-	2SD382	NECElectsInc	1.5	120	40	250		1.0u			20	140	TO-220AB
-	2SD382	NECElectsInc	1.5	120	40	250		1.0u			20	140	TO-220AB
-	2SB1086	Rohm Co Ltd	1.5	120	56	390	50M				10		TO-126
10	2SB1086	Rohm Corp	1.5	120	56	390	50M				10		TO-126
-	2SD1563	Rohm Co Ltd	1.5	120	56	390	80M				10		TO-126
-	2SD1563	Rohm Corp	1.5	120	56	390	80M				10		TO-126
-	2SD1080	Hitachi Ltd	1.5	120	60	200					20	140 J	TO-126
-	2SD1562	Rohm Co Ltd	1.5	120	60	320	80M				20		TO-220
15	2SD1562	Rohm Corp	1.5	120	60	320	80M				20		TO-220
-	2SD1763	Rohm Corp	1.5	120	60	320	80M				20		TO-220
-	2SD1763	Rohm Co Ltd	1.5	120	60	320	80M				20		TO-220
-	2SD1953	Sanyo Elect	1.5	120	1.0k			10u			1.0	140 J	TO-126
-	40349	See Index	1.5	140	30	125		1.0u			1.0	175 J	TO-5
20	40349L	SemiconTech	1.5	140	30	125		1.0u			1.0	175 J	TO-5
-	40349S	SemiconTech	1.5	140	30	125		1.0u			1.0	175 J	TO-39
-	40349V1	SemiconTech	1.5	140	30	125		1.0u			4.4	175 J	TO-3var
-	40349V2	Sid St Dvcs	1.5	140	30	125		1.0u			11	175 J	TO-37var
-	40349V2	SemiconTech	1.5	140	30	125		1.0u			11	175 J	TO-37var
25	IDC2073	Intl Device	1.5	150	40	140					25		TO-220AB
-	2SC1448	Solid Stinc	1.5	150	40	140	3.0M	20u			25	140 J	TO-220AB
-	KSC2073	Samsung	1.5	150	40	140	4.0M	10u			25	140 J	TO-220
-	2SC1669	Solid Stinc	1.5	150	40	240	6.0M	20u			1.5	140 J	TO-220
-	2SC1669	President	1.5	150	40	240	6.0M	20u			1.5	140 J	TO-220
30	2SC1669R	ToshibaCorp	1.5	150	40	80	6.0M	20u			25	140 J	TO-220AB
-	2SC2481	ToshibaCorp	1.5	150	60	320	20M	1.0u			1.2	140 J	TO-126var
-	2SC1669Q	ToshibaCorp	1.5	150	70	140	6.0M	20u			25	140 J	TO-220AB
-	2SD1459Q	Sanyo Elect	1.5	150	70	140	8M	10u	0.1u		2.0	175 J	TO-220
-	2SD1459R	Sanyo Elect	1.5	150	100	200	8M	10u			2.0	175 J	TO-220
35	2SC1669Y	ToshibaCorp	1.5	150	120	240	6.0M	20u			25	140 J	TO-220AB
-	2SD608	NECElectsInc	1.5	160	40	200	45M	1.0u			20	140 J	TO-220AB
-	2SB1086A	Rohm Co Ltd	1.5	160	56	390	50M				10		TO-126
-	2SB1086A	Rohm Corp	1.5	160	56	390	50M				10		TO-126
-	2SD1563A	Rohm Co Ltd	1.5	160	56	270	80M				10		TO-126
40	2SD1081	Hitachi Ltd	1.5	160	60	200					20	140 J	TO-126
-	2SD1562A	Rohm Co Ltd	1.5	160	60	320	80M				20		TO-220
-	2SD1562A	Rohm Corp	1.5	160	60	320	80M				20		TO-220
-	2SD1763A	Rohm Corp	1.5	160	60	320	80M				20		TO-220
-	2SD1763A	Rohm Co Ltd	1.5	160	60	320	80M				20		TO-220
45	2SC2483	ToshibaCorp	1.5	160	100	320	40M	1.0u	1.0u		15	175 J	TO-202
-	2SC3117	Sanyo Elect	1.5	160	100	400	120M	1.0u			10	135 C	TO-126
-	2SD608A	NECElectsInc	1.5	180	40	200					1.5		TO-220AB
-	2SD656	Indust Mexi	1.5	180	40	180		10u			30	140 J	TO-66
-	2SC783	Solid Stinc	1.5	200	30	250	10M	100u			20	140 J	TO-66
50	2SD657	Indust Mexi	1.5	200	40	180		10u			50	140 J	TO-3
-	PH13002 (A)	PhilipsElec	1.5	300	5	25		5.0m			1.2	140 J	TO-126
-	PH13002 (A)	NthAmerSemi	1.5	300	5	25		5.0m			1.2	140 J	TO-126
-	SGS13002T	NthAmerSemi	1.5	300	5.0	25	5.0M	1.0m	800n	500n	2.0	135 J	TO-220AB
-	SGS13002T	SGS-Ates	1.5	300	5.0	25	5.0M	1.0m	800n	500n	2.0	135 J	TO-220AB
55	PEC7302	President	1.5	300	8.0	40	4.0M		700n	700n	40		TO-220
-	MJE13002 (A)	See Index	1.5	300	8.0	40	10M	1.0m	1.0u	700n	1.4	140 S	TO-126
-	MJ4360	SemiconTech	1.5	300	8.0	40	10M	1.0m	1.0u	700n	1.4	140 J	TO-66
-	TE13002	Telefunken	1.5	300	8.0	40	10M	500u		.70u	40	135 J	TO-126
-	BUX99 (A)	AmperexElec	1.5	300	16	42		5.0u		800n	25	140 J	TO-126
60	BUX99 (A)	PhilipsElec	1.5	300	16	42		5.0u		800n	25	140 J	TO-126
-	BUX99 (A)	NthAmerSemi	1.5	300	16	42		5.0u		800n	25	140 J	TO-126
-	MJE2160	CrimsonSemi	1.5	300	30	240		100u			50	140 J	TO-127var
-	2SC782	Solid Stinc	1.5	300	30	250	10M	100u			20	140 J	TO-66
-	2SC792	Solid Stinc	1.5	300	30	200	10M	50u			50	140 J	TO-3
65	PH13003 (A)	PhilipsElec	1.5	400	5	25		5.0m			1.2	140 J	TO-126
-	PH13003 (A)	NthAmerSemi	1.5	400	5	25		5.0m			1.2	140 J	TO-126
-	SGS13003T	SGS-Ates	1.5	400	5.0	25	5.0M	1.0m	800n	500n	2.0	135 J	TO-220AB
-	SGS13003T	NthAmerSemi	1.5	400	5.0	25	5.0M	1.0m	800n	500n	2.0	135 J	TO-220AB
-	PEC7303	President	1.5	400	8.0	40	4.0M		700n	700n	15		TO-220
70	MJD13003	Motorola	1.5	400	8.0	40	10M	2.0m			15	140 J	DPAK
-	MJD13003-1	Motorola	1.5	400	8.0	40	10M	2.0m			15	140 J	TO-221
-	MJE13003 (A)	See Index	1.5	400	8.0	40	10M	1.0m	1.0u	700n	1.4	140 S	TO-126
-	MJ4361	SemiconTech	1.5	400	8.0	40	10M	1.0m	1.0u	700n	1.4	140 J	TO-66
75	TE13003	Telefunken	1.5	400	8.0	40	10M	500u		.70u	40	135 J	TO-126
-	2SC1167	Solid Stinc	1.5	500	10	50	4.0M	10u			50	140 J	TO-3
-	BUX55	Semelab	1.5	500	20	60	8.0M	500u			10	175 J	TO-39
-	TIP65	SemiconTech	1.5	600	8.0			700n		1.5u	40	140 J	TO-218
-	2SD764	Hitachi Ltd	1.5	600	17			10u		1.5u	50	140 J	TO-3
-	2SD764	President	1.5	600	17			10u		1.5u	50	140 J	TO-3
80	2SC3149	Sanyo Elect	1.5	800	10		15M	10u			40	140 J	TO-220AB
-	2SC3151	Sanyo Elect	1.5	800	10		15M	10u			60	140 J	TO-218var
-	2SC3456	Sanyo Elect	1.5	800	10		15M	10u	0.5u	0.3u	40	140 S	TO-220AB
-	2SC3751	Sanyo Elect	1.5	800	10	40	15M	10u	500n	300n	25	140 J	TO-220
85	2SC1891	Indust Mexi	1.5	1.2k	8.0	20	3.0M	10u	1.0u		50	140 J	TO-3
-	2SD1451	Hitachi Ltd	1.5	1.5k				500u	1.0u	1.0u	50	140 J	TO-247var
-	SD1478	ThmsnCSFEFC	1.7	16	20			1.0m			15	175 J	Six-8
-	2SC1316	Solid Stinc	2.0		4.0	14	8.5M	200u			23	125 J	TO-66var
-	2S012	See Index	2.0		10		10M				38	140 J	TO-53
-	40328	See Index	2.0		20			5.0m			35	175 J	TO-66
90	SDT5006	Solitron	2.0		30		50M	100n	250n		7.0	175 J	TO-46
-	SDT5006	Sid St Dvcs	2.0		30		50M	100n	250n		7.0	175 J	TO-46
-	SDT5007	Solitron	2.0		30		50M	100n	250n		7.0	175 J	TO-46
-	SDT5007	Sid St Dvcs	2.0		30		50M	100n	250n		7.0	175 J	TO-46
-	SDT5008	Sid St Dvcs	2.0		30		50M	100n	250n		7.0	175 J	TO-46
95	SDT5008	Solitron	2.0		30		50M	100n	250n		7.0	175 J	TO-46
-	SDT5009	Solitron	2.0		30	150	50M	100n	150n		7.0	175 J	