

# 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>CEO</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>													
-	40346V2	SemiconTech	1.0	175	25		10M	5.0u			10	175 J	TO-37var
-	40346V2	Diode Trans	1.0	175	25		10M	5.0u			10	175 J	TO-37var
-	40346V2	Slid St Dvcs	1.0	175	25		10M	5.0u			10	175 J	TO-37var
5	DTL1657	Diode Trans	1.0	175	40	120	2.5M			200n	52		TO-66
-	2N3583	See Index	1.0	175	40	200	10M	10m			35	175 J	TO-66
-	SPT3440	Slid St Dvcs	1.0	175	40	160	20M	20u			5.0	175 J	TO-5
-	MPSU04	Motorola	1.0	180	40		35M	100n			10	140 J	SIP-tab
-	MPSU04	CrimsonSemi	1.0	180	40		35M	100n			10	140 J	SIP-tab
-	DTL1638	Diode Trans	1.0	200		80	2.5M				105		TO-3
10	2N6721	See Index	1.0	200	10	50		1.0u			2.0	140 J	TO-237var
-	DTL1648	Diode Trans	1.0	200	20	60	2.5M				52		TO-66
-	TRS4926	SemiconTech	1.0	200	20	200	50M	100n			2.0	175	TO-37var
-	TRS4926	Hybrid Semi	1.0	200	20	200	50M	100n			2.0	175	TO-37var
-	TRS4926	Slid St Dvcs	1.0	200	20	200	50M	100n			2.0	175	TO-37var
15	STI2006	SemiconTech	1.0	200	30		10M	100u			20	140 J	TO-66
-	MST20B	Hybrid Semi	1.0	200	30		20M	12u			2.0	175 A	TO-5
-	MST20B	SemiconTech	1.0	200	30		20M	12u			2.0	175 A	TO-5
-	STI20	SemiconTech	1.0	200	30	200	30M	3.0u			1.0	175 S	TO-5
-	STI205	SemiconTech	1.0	200	30	200	30M	3.0u			2.0	175 S	TO-37var
20	TRS2006	See Index	1.0	200	30	300	50M	100u			20	175	TO-66
-	DTL1658	Diode Trans	1.0	200	40	120	2.5M				52		TO-66
-	2N5660	See Index	1.0	200	40	120	20M	1.0u	250n	850n	20	175 J	TO-66
-	2N5662	See Index	1.0	200	40	120	20M	1.0u	250n	850n	15	175 J	TO-5
25	SK3537	GE Solid St	1.0	200	75		10M				4.0		TO-18
-	2N6722	CrimsonSemi	1.0	250	10	50		1.0u			2.0	140 J	TO-237var
-	2N6722	Space Power	1.0	250	10	50		1.0u			2.0	140 J	TO-237var
-	2N6722	Natl Semi	1.0	250	10	50		1.0u			2.0	140 J	TO-237var
-	TRS4927	SemiconTech	1.0	250	20	200	50M	100n			2.0	175	TO-37var
-	TRS4927	Slid St Dvcs	1.0	250	20	200	50M	100n			2.0	175	TO-37var
30	TRS4927	Hybrid Semi	1.0	250	20	200	50M	100n			2.0	175	TO-37var
-	D44R1	New Jersey	1.0	250	30	90		1.0m	1.6u		1.6	140 J	TO-220
-	D44R1	Solid StInc	1.0	250	30	90		1.0m	1.6u		1.6	140 J	TO-220
-	D44R1	SemiconTech	1.0	250	30	90		1.0m	1.6u		1.6	140 J	TO-220
35	MJD47	Motorola	1.0	250	30	150		10M	0.2m	200n	15	140 J	TO-252var
-	STI2506	SemiconTech	1.0	250	30		10M	100u			20	140 J	TO-66
-	TIP47	See Index	1.0	250	30	150	10M	100u	200n	2.0u	2.0	140 J	TO-220AB
-	2SC2354	Sanken Elec	1.0	250	30	300	10M	1.0m			30	140 J	TO-66
-	2N6175	See Index	1.0	250	30		21M	50u			20	135 S	TO-126var
-	40885	CrimsonSemi	1.0	250	30	190	21M	50u			1.4	135 J	TO-126var
40	D44R5	SemiconTech	1.0	250	30		40M	1.0m	3.7u		1.6	140 J	TO-220
-	D44R5	Solid StInc	1.0	250	30		40M	1.0m	3.7u		1.6	140 J	TO-220
-	D44R5	New Jersey	1.0	250	30		40M	1.0m	3.7u		1.6	140 J	TO-220
-	D42R1	Solid StInc	1.0	250	30		55M	1.0m	500n		2.1	140 J	TO-202
45	D42R1	New Jersey	1.0	250	30		55M	1.0m	500n		2.1	140 J	TO-202
-	2SD860	Matsushita	1.0	250	40	250		1.0m	2.2u		40	140 J	TO-220
-	40412	See Index	1.0	250	40		10M	1.0m			1.0	175 J	TO-5
-	40412L	SemiconTech	1.0	250	40		10M	1.0m			1.0	175 J	TO-5
-	40412S	SemiconTech	1.0	250	40		10M	1.0m			1.0	175 J	TO-39
-	40412V1	Diode Trans	1.0	250	40		10M	1.0m			4.0	175 J	TO-5var
50	40412V1	SemiconTech	1.0	250	40		10M	1.0m			4.0	175 J	TO-5var
-	40412V2	Slid St Dvcs	1.0	250	40		10M	1.0m			10	175 J	TO-37var
-	40412V2	SemiconTech	1.0	250	40		10M	1.0m			10	175 J	TO-37var
-	NSD3440	Semi Inc	1.0	250	40	160	15M	500u			10	140 J	TO-202AA
-	NSD3440	Natl Semi	1.0	250	40	160	15M	500u			10	140 J	TO-202AA
55	SGS3440	SGS-Ates	1.0	250	40	160	15M				15		TO-218
-	2N3440	See Index	1.0	250	40	160	15M	20u	.65u	.60u	10	175 J	TO-5
-	2N3440S	Space Power	1.0	250	40	160	15M	20u			1.0	175 S	TO-39
-	2N3440S	Semelab	1.0	250	40	160	15M	20u			1.0	175 S	TO-39
-	2N3440S	Motorola	1.0	250	40	160	15M	20u			1.0	175 S	TO-39
60	2N4064	See Index	1.0	250	40	160	15M	20u			10	175 J	TO-37var
-	40390	SemiconTech	1.0	250	40	160	15M	50u			3.5	175 J	TO-5var
-	40390	GE Solid St	1.0	250	40	160	15M	50u			3.5	175 J	TO-5var
-	40390	Diode Trans	1.0	250	40	160	15M	50u			3.5	175 J	TO-5var
65	40256	SemiconTech	1.0	250	40	160	20M	500u			10	175 J	TO-37(4)
-	40256	NthAmerSemi	1.0	250	40	160	20M	500u			10	175 J	TO-37(4)
-	40256	Genrl Diode	1.0	250	40	160	20M	500u			10	175 J	TO-37(4)
-	BSP20	PhilipsElec	1.0	250	40		70M	20n			1.5	140 J	SOT-223
-	2N4296	See Index	1.0	250	50	150	20M	100u	7000n		2.0	175 S	TO-66
-	D44R2	See Index	1.0	250	75	175		1.0m	1.6u		1.6	140 J	TO-220
70	2N4297	See Index	1.0	250	75	300	20M	100u	7000n		2.0	175 S	TO-66
-	SK3104	GE Solid St	1.0	250	75		30M				20		TO-126var
-	SK3104	SemiconTech	1.0	250	75		30M				20		TO-126var
-	D44R7	SemiconTech	1.0	250	150	300	40M	1.0m	3.7u		1.6	140 J	TO-220
75	D44R7	New Jersey	1.0	250	150	300	40M	1.0m	3.7u		1.6	140 J	TO-220
-	TRS25X5	Slid St Dvcs	1.0	250	1.6k	30k	50k	100u			2.0	175 J	TO-37var
-	TRS25X5	SemiconTech	1.0	250	1.6k	30k	50k	100u			2.0	175 J	TO-37var
-	TRS25X5	Genrl Diode	1.0	250	1.6k	30k	50k	100u			2.0	175 J	TO-37var
-	TRS25X	Slid St Dvcs	1.0	250	1.6k	30k	50M	100u			10	175 A	TO-5
-	TRS25X	Genrl Diode	1.0	250	1.6k	30k	50M	100u			10	175 A	TO-5
80	TRS25X	SemiconTech	1.0	250	1.6k	30k	50M	100u			10	175 A	TO-5
-	2SC1929	Matsushita	1.0	270	35	330	80M	10u			25	140 J	TO-220
-	2SC1929	Elec Trans	1.0	270	35	330	80M	10u			25	140 J	TO-220
-	2N6723	Space Power	1.0	300	10	50		1.0u			2.0	140 J	TO-237var
-	2N6723	Natl Semi	1.0	300	10	50		1.0u			2.0	140 J	TO-237var
85	2N6723	CrimsonSemi	1.0	300	10	50		1.0u			2.0	140 J	TO-237var
-	2N6771	See Index	1.0	300	10	50		0.1m	0.2u	0.4u	40	140 J	TO-220AB
-	BUW40	GE Solid St	1.0	300	10	50		0.1m	0.8u	1.5u	40	140 J	TO-220AB
-	BUW40	NthAmerSemi	1.0	300	10	50		0.1m	0.8u	1.5u	40	140 J	TO-220AB
-	TRS3742	See Index	1.0	300	20	200	50M	200n			2.0	175	TO-37var
90	40321	See Index	1.0	300	25	200		100u			1.0	175 J	TO-5
-	40321L	SemiconTech	1.0	300	25	200		100u			1.0	175 J	TO-5
-	40321S	SemiconTech	1.0	300	25	200		100u			1.0	175 J	TO-39
-	2N5661	See Index	1.0	300	25	75	20M	1.0u	250n	1.2u	20	175 J	TO-66
-	2N5663	See Index	1.0	300	25	75	20M	1.0u	250n	1.2u	15	175 J	TO-5
95	D44R3	SemiconTech	1.0	300	30	90		1.0m	1.6u		1.6	140 J	TO-220
-	D44R3	Solid StInc	1.0	300	30	90		1.0m	1.6u				