

# 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>													
-	2N699A	See Index	1.0	80	40	120	50M	2.0u			2.0	175 J	TO-205AD
-	2N699B	See Index	1.0	80	40	120	50M	2.0u			2.0	175 J	TO-205AD
-	2N3665	See Index	1.0	80	40	120	60M	50n			5.0	175 S	TO-5
-	TN3020	Natl Semi	1.0	80	40	120	80M	10n			2.0	140 J	TO-237var
5	TN3020	Micro Elecs	1.0	80	40	120	80M	10n			2.0	140 J	TO-237var
-	NSD104	Natl Semi	1.0	80	50	150	60M	100n			1.0	140 J	TO-202AA
-	2N2989	See Index	1.0	80	60	120	30M	30n			1.0	175 C	TO-5
-	2N2993	See Index	1.0	80	60	120	30M	30n			2.0	175 C	SiR-10
-	2SC1212A	Hitachi Ltd	1.0	80	60	320	160M				8.0		TO-126
-	BSX47-10	See Index	1.0	80	63	160	50M	10n	15n	15n	5.0	175 J	TO-205AD
-	BCX56-10	Siemens Akt	1.0	80	63	160	100M	100n			1.0	140 J	SOT-89
-	BD417	See Index	1.0	80	80	300	75M				2.0		TO-220AB
-	2N6552	See Index	1.0	80	80	250	75M	100n			2.0	140 S	TO-202AC
-	2N6731	See Index	1.0	80	100	300	100n				2.0	140 J	TO-237var
15	BSX47-16	Motorola	1.0	80	100	250	50M	10n	15n	15n	5.0	175 J	TO-205AD
-	BSX47-16	NthAmerSemi	1.0	80	100	250	50M	10n	15n	15n	5.0	175 J	TO-205AD
-	2N3666	See Index	1.0	80	100	300	60M	50n			5.0	175 S	TO-5
-	MM3019	SemiconTech	1.0	80	100	300	80M	10n			1.0	175 J	TO-39
-	MM3019	NthAmerSemi	1.0	80	100	300	80M	10n			1.0	175 J	TO-39
20	P2N3019	Motorola	1.0	80	100	300	80M	10n			2.5	140 J	TO-226AE
-	BCX56-16	Siemens Akt	1.0	80	100	250	100M				1.0	140 J	SOT-89
-	NSD105	Natl Semi	1.0	80	120	360	60M	100n			1.0	140 J	TO-202AA
-	BC618L	Semelab	1.0	80	10k	50k					1.2		TO-92
-	2N2405	See Index	1.0	90	60	200		10n			1.0	175 S	TO-5
25	2N2405S	Space Power	1.0	90	60	200		10n			1.0	175 S	TO-39
-	2N2405S	PPC Product	1.0	90	60	200		10n			1.0	175 S	TO-39
-	DTL1634	Diode Trans	1.0	100		80	2.5M				105		TO-3
-	2N2611	See Index	1.0	100	7.0	36	4.0M	50u			2.0	175 C	TO-37var
-	SSP58C	StdSt Indus	1.0	100	10	50					30		N/A
30	MJD29C	Motorola	1.0	100	15	75	3.0M	50u	500n	2.0u	15	140 J	TO-252var
-	TIP29C	See Index	1.0	100	15	75	3.0M	300u	500n	2.0u	2.0	140 J	TO-220AB
-	DTL1644	Diode Trans	1.0	100	20	60	2.5M				52		TO-66
-	BD400	NthAmerSemi	1.0	100	20		65M	10u			1.2	140 S	TO-126var
-	2N2201	See Index	1.0	100	25	90	10M	50u			2.0	175 C	TO-37var
35	2N2202	See Index	1.0	100	25	90	10M	50u			1.0	175 C	Axial
-	2N2203	See Index	1.0	100	25	90	10M	50u			1.0	175 C	Can
-	2N2204	See Index	1.0	100	25	90	10M	50u			1.0	175 C	TO-57
-	2N2988	See Index	1.0	100	25	75	30M	30n			1.0	175 C	TO-5
-	2N2992	See Index	1.0	100	25	75	30M	30n			2.0	175 C	SiR-10
40	2N2472	Semicoa	1.0	100	30	90	10M	10u			1.0	175 C	TO-37var
-	2N2472	High Volt	1.0	100	30	90	10M	10u			1.0	175 C	TO-37var
-	2N2472	Space Power	1.0	100	30	90	10M	10u			1.0	175 C	TO-37var
-	2N2995	See Index	1.0	100	30	100	10M	50u			1.5	175 C	SiR-10
45	ST110	SemiconTech	1.0	100	30	200	30M	3.0u			1.0	175 S	TO-5
-	ST1105	SemiconTech	1.0	100	30	200	30M	3.0u			2.0	175 S	TO-37var
-	SVT100-5	TRW Optron	1.0	100	40				400n				TO-3
-	DTL1654	Diode Trans	1.0	100	40	120	2.5M				52		TO-66
-	2N5681	See Index	1.0	100	40	150	30M	1.0u			1.0	175 J	TO-5
-	2N4001	See Index	1.0	100	40	120	40M	2.0u	300n	2u	1.0	175 J	TO-5
50	BDY66	NthAmerSemi	1.0	100	50	300	30M	500u			2.0	175 J	SiR-10
-	NSD106	Natl Semi	1.0	100	50	150	60M	100n			1.0	140 J	TO-202AA
-	2N2990	See Index	1.0	100	60	120	30M	30n			1.0	175 C	TO-5
-	2N2994	See Index	1.0	100	60	120	30M	30n			2.0	175 C	SiR-10
55	2SC1625O	Indust Mexi	1.0	100	70	140	30M				15		TO-220
-	2N6553	See Index	1.0	100	80	250	75M	100n			2.0	140 S	TO-202AC
-	2SC1625Y	Indust Mexi	1.0	100	120	240	30M				15		TO-220
-	2SC1161	Solid Stinc	1.0	120	30	200	5.0M	5.0u			15	140 J	TO-66
-	TIP29D	See Index	1.0	120	40		3.0M	300u	500n		2.0	140 J	TO-220AB
-	2N5682	See Index	1.0	120	40	150	30M	1.0u			1.0	175 J	TO-5
60	MPSU03	Semi Inc	1.0	120	40		35M	100n			10	140 J	SIP-tab
-	MPSU03	Motorola	1.0	120	40		35M	100n			10	140 J	SIP-tab
-	MPSU03	CrimsonSemi	1.0	120	40		35M	100n			10	140 J	SIP-tab
-	2SC1624	Indust Mexi	1.0	120	70	240	30M	1.0u			15	140 J	TO-220AB
-	2SC1624	ToshibaCorp	1.0	120	70	240	30M	1.0u			15	140 J	TO-220AB
65	2SC1624O	Indust Mexi	1.0	120	70	140	30M				15		TO-220
-	2SC1624Y	Indust Mexi	1.0	120	120	240	30M				15		TO-220
-	DTL1635	Diode Trans	1.0	125		80	2.5M				105		TO-3
-	DTL1645	Diode Trans	1.0	125	20	60	2.5M				52		TO-66
-	DTL1655	Diode Trans	1.0	125	40	120	2.5M				52		TO-63
70	ZTX654	FerrantiLtd	1.0	125	50		30M	100n			1.0	175 J	TO-92
-	2N4271	See Index	1.0	140	20	140	20M	50n			5.0	175 C	TO-5
-	TIP29E	Motorola	1.0	140	40		3.0M	300u	500n		2.0	140 J	TO-220AB
-	TIP29E	TexInstLtd	1.0	140	40		3.0M	300u	500n		2.0	140 J	TO-220AB
75	TIP29E	Texas Instr	1.0	140	40		3.0M	300u	500n		2.0	140 J	TO-220AB
-	DTL1636	Diode Trans	1.0	150		80	2.5M				105		TO-63
-	2N6720	Space Power	1.0	150	10	50		1.0u			2.0	140 J	TO-237var
-	2N6720	Natl Semi	1.0	150	10	50		1.0u			2.0	140 J	TO-237var
-	2N6720	CrimsonSemi	1.0	150	10	50		1.0u			2.0	140 J	TO-237var
-	DTL1646	Diode Trans	1.0	150	20	60	2.5M				52		TO-66
80	ST11506	SemiconTech	1.0	150	30		10M	100u			20	140 J	TO-66
-	2SC2317	Sankan Elec	1.0	150	30		10M	100u			30	140 J	TO-220
-	DTL1656	Diode Trans	1.0	150	40	120	2.5M				52		TO-63
-	ZTX655	FerrantiLtd	1.0	150	50		30M	100n			1.0	175 J	TO-92
85	2SD1258	Matsushita	1.0	150	500	2.0k	25M	100u			40	140 J	TO-220var
-	2SD1272	Matsushita	1.0	150	500	2.0k	25M	100u			40	140 J	SOT-186
-	2SD876	Matsushita	1.0	150	500	2.0k	25M	100u			40	140 J	TO-220
-	TIP29F	Motorola	1.0	160	40		3.0M	300u	500n		2.0	140 J	TO-220AB
-	TIP29F	TexInstLtd	1.0	160	40		3.0M	300u	500n		2.0	140 J	TO-220AB
-	TIP29F	Texas Instr	1.0	160	40		3.0M	300u	500n		2.0	140 J	TO-220AB
90	DTL1637	Diode Trans	1.0	175		80	2.5M				105		TO-63
-	DTL1647	Diode Trans	1.0	175	20	60	2.5M				52		TO-66
-	40346	See Index	1.0	175	25		10M	5.0u			1.0	175 J	TO-5
-	40346L	SemiconTech	1.0	175	25		10M	5.0u			1.0	175 J	TO-5
-	40346S	SemiconTech	1.0	175	25		10M	5.0u			1.0	175 J	TO-39
95	40346V1	Diode Trans	1.0	175	25		10M	5.0u			4.0	175 J	TO-5var
-	40346V1	GE Solid St	1.0	175	25		10M	5.0u			4.0	175 J	TO-5var
-	40346V1	SemiconTech	1.0	175	25		10M	5.0u			4.0	175 J	TO-5var