

# 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>CB0</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>													
-	KT817A	V/O Electro	3.0	40	20		3.0M	100u			20	125 J	TO-126var
-	R4921	Semi Inc	3.0	40	20	100	3.0M				30		TO-220AB
-	BD251	NthAmerSemi	3.0	40	20	25	46M				20	140 J	TO-3
-	BDT31F	PhilipsElec	3.0	40	25								SOT-186
5	BDT31F	AmperexElec	3.0	40	25								SOT-186
-	MJE31	CentralSemi	3.0	40	25		3.0M	300u	500n	1.0u	40	140 J	TO-126var
-	MJE31	Motorola	3.0	40	25		3.0M	300u	500n	1.0u	40	140 J	TO-126var
-	2N4231	See Index	3.0	40	25	100	4.0M	50u			35	175 J	TO-66
-	2N4231A	See Index	3.0	40	25	100	4.0M	50u		200n	75	175 J	TO-66
10	TIP501	See Index	3.0	40	25	180	60M	10u	100n	400n	1.0	175 J	TO-39
-	BDY34	NthAmerSemi	3.0	40	30	300	80M	100u	500n		21	140 J	TO-126
-	2SD291	Solid Stinc	3.0	40	32	173	2.0M	20u			18	140 J	TO-66
-	2N1768	See Index	3.0	40	35	100	600k	15u			40	175 A	TO-57
-	ZT1485	Semelab	3.0	40	35	100	1.2M	15u			25	175 C	TO-8
-	2N1485	See Index	3.0	40	35	100	1.2M	15u			25	175 C	TO-8
-	2SD235G	ToshibaCorp	3.0	40	40	240		100u			25	140 J	TO-220AB
-	2SD235	See Index	3.0	40	40	240	1.0M	100u			1.5	140 J	TO-220
-	IDD235	Intl Device	3.0	40	40	240	3.0M				25		TO-220AB
-	MJE2520	CrimsonSemi	3.0	40	40	200	3.0M	200u			40	140 J	TO-127var
20	2SD235G-R	Indust Mexi	3.0	40	40	80	3.0M				25		TO-220
-	2SC790	See Index	3.0	40	40	240	5.0M	20u			25	140 J	TO-220
-	2SC790R	Indust Mexi	3.0	40	40	80	10M				25		TO-220
-	MDS26	Motorola	3.0	40	40	200	50M	100n			2.0	140 J	TO-202AC
-	2N3506	See Index	3.0	40	40	200	60M	1.0m	30n	35n	1.0	175 S	TO-5
25	BSX62-6	NthAmerSemi	3.0	40	40	100	70M	100m	300n		5.0	175 J	TO-39
-	MJE180	See Index	3.0	40	50	250	50M	100n			1.5	140 J	TO-126
-	NSE180	Natl Semi	3.0	40	50	250	50M	100n			10	140 J	TO-202AA
-	2SD235G-O	Indust Mexi	3.0	40	70	140	3.0M				25		TO-220
-	2SC790O	Indust Mexi	3.0	40	70	140	10M				25		TO-220
30	2SD235G-Y	Indust Mexi	3.0	40	120	240	3.0M				25		TO-220
-	2SC790Y	Indust Mexi	3.0	40	120	240	10M				40		TO-220
-	IDD1413	Intl Device	3.0	40	2.0k				20n		20		TO-220var
-	IDD687	Intl Device	3.0	40	2.0k				200n		25		TO-220AB
-	2SD1369	ToshibaCorp	3.0	40	2.0k			20u	100n		20	140 J	TO-220var
35	BDT31	PhilipsElec	3.0	45	10	50	300m	.30u			40	140 J	TO-220AB
-	BDT31	NthAmerSemi	3.0	45	10	50	300m	.30u			40	140 J	TO-220AB
-	BD241	See Index	3.0	45	10		3.0M	200u	300n	1.0u	2.0	140 J	TO-220AB
-	BD175	See Index	3.0	45	15		3.0M	100u			30	140 J	TO-126var
-	D42C4	See Index	3.0	45	25		50M	10u	100n	75n	12	140 J	TO-202
40	BD575	Motorola	3.0	45	40		3.0M	100u			40	140 J	TO-127var
-	BD933	Semelab	3.0	45	40	250	3.0M	100u	300n		30	140 J	TO-220AB
-	BD933	PhilipsElec	3.0	45	40	250	3.0M	100u	300n		30	140 J	TO-220AB
-	BD933	NthAmerSemi	3.0	45	40	250	3.0M	100u	300n		30	140 J	TO-220AB
-	D42C5	See Index	3.0	45	40	220	50M	10u	100n	75n	12	140 J	TO-202
-	D42C6	See Index	3.0	45	40	120	50M	10u	100n	75n	12	140 J	TO-202
-	BD131	See Index	3.0	45	40		60M	5.0u			15	140 J	TO-126
-	PTC143	Mallory	3.0	45	60		8.0M	500u			6.0		TO-5
-	2SD794	NEC Corp JA	3.0	45	60	320	60M	1.0u			10	140 J	TO-126var
-	2SD794	NECElectsinc	3.0	45	60	320	60M	1.0u			10	140 J	TO-126var
50	2SD255	Solid Stinc	3.0	50	30	150	1.0M				20	175 J	TO-66
-	2SD130	Indust Mexi	3.0	50	30	200	1.0M	1.0m			25	140 J	TO-66
-	2SD130	Solid Stinc	3.0	50	30	200	1.0M	1.0m			25	140 J	TO-66
-	2SD130R	Indust Mexi	3.0	50	30	70	1.0M				25		TO-66
-	2N3507	See Index	3.0	50	30	150	60M	1.0m	30n	35n	1.0	175 S	TO-5
55	KT817B	V/O Electro	3.0	50	35		3.0M	100u			20	125 J	TO-126var
-	2SC1060	See Index	3.0	50	35	320	8.0M	100u			25	140 J	TO-220
-	2SC1061	See Index	3.0	50	35	320	8.0M	100u			25	140 J	TO-220
-	2SC830	Solid Stinc	3.0	50	35	200	20M				25		TO-66
-	2SD234G	ToshibaCorp	3.0	50	40	240		100u			25	140 J	TO-220AB
60	2SD234	See Index	3.0	50	40	240	1.0M	100u			1.5	140 J	TO-220
-	2SD234R	ToshibaCorp	3.0	50	40	80	1.0M	200u			1.5	140 J	TO-220AB
-	IDD234	Intl Device	3.0	50	40	240	3.0M				25		TO-220AB
-	2SD234G-R	Indust Mexi	3.0	50	40	80	3.0M				25		TO-220
65	2SD130Y	Indust Mexi	3.0	50	50	120	1.0M				25		TO-66
-	2SD234O	ToshibaCorp	3.0	50	70	140	1.0M	200u			1.5	140 J	TO-220AB
-	2SD234G-O	Indust Mexi	3.0	50	70	140	3.0M				25		TO-220
-	2SD130BL	Indust Mexi	3.0	50	85	200	1.0M				25		TO-66
-	2SC3386	Hitachi Ltd	3.0	50	100			10u	0.5u	0.5u	10	140 J	TO-252var
-	2SC3386L	Hitachi Ltd	3.0	50	100			10u	0.5u	0.5u	10	140 J	TO-252var
70	2SD234Y	ToshibaCorp	3.0	50	120	240	1.0M	200u			1.5	140 J	TO-220AB
-	2SD234Y	Indust Mexi	3.0	50	120	240	1.0M	200u			1.5	140 J	TO-220AB
-	2SD234G-Y	Indust Mexi	3.0	50	120	240	3.0M				25		TO-220
-	2SD1405	ToshibaCorp	3.0	50	200	1.2k	3.0M	100u			25	140	TO-220var
-	2SD1353	ToshibaCorp	3.0	50	200	1.2k	5.0M	100u			30	140 J	TO-220var
75	2SD1052	ToshibaCorp	3.0	50	250	750	5.0M	100u			30	140 J	TO-220AB
-	2SD1052A	ToshibaCorp	3.0	50	400	1.2k	5.0M	100u			30	140 J	TO-220AB
-	2SD1394	Sanyo Elect	3.0	50	1.0k	4.0k	20M	100u	1.5u		30	140 J	TO-220
-	2SC3786	Sanyo Elect	3.0	50	1.0k	4.0k	180M	10u			20	140 J	TO-126
-	2N3675	See Index	3.0	55	12	60	1.0M	5.0m	5000n	5.0u	8.8	175 C	TO-5
80	ZT1484A	Semelab	3.0	55	20	100					25	175 C	TO-8
-	2SD92	Sanken Elec	3.0	55	20	40					20		TO-3
-	2N1484	See Index	3.0	55	20	60	1.2M	15u			25	175 C	TO-8
-	SK3530	GE Solid St	3.0	55	30		1.0M				25		TO-8
-	40368	CrimsonSemi	3.0	55	35	100		9.0u			25	175 J	TO-8
-	40368	NthAmerSemi	3.0	55	35	100		9.0u			25	175 J	TO-8
-	40368	SemiconTech	3.0	55	35	100		9.0u			25	175 J	TO-8
-	2N1769	See Index	3.0	55	35	100	600k	15u			40	175 A	TO-57
-	ZT1486	Semelab	3.0	55	35	100	1.2M	15u			25	175 C	TO-8
-	2N1486	See Index	3.0	55	35	100	1.2M	15u			25	175 C	TO-8
90	KSD288	Samsung	3.0	55	40	240		50u			25	140 J	TO-202
-	2SD155	Solid Stinc	3.0	60	4.0	145		1.0m			20	175 J	TO-66
-	BDT31A	PhilipsElec	3.0	60	10	50	300m	.30u			40	140 J	TO-220AB
-	BDT31A	NthAmerSemi	3.0	60	10	50	300m	.30u			40	140 J	TO-220AB
-	SSP62A	SidSt Indus	3.0	60	10	50					40		N/A
95	BD241A	See Index	3.0	60	10		3.0M	200u	300n	1.0u	2.0	140 J	TO-220AB
-	TIP31A	See Index	3.0	60	10	50	3.0M	300u	500n	2.0u	2.0	140 J	TO-220AB
-	2N389A	See Index	3.0	60	12	60	1.0M	10m			175 J		TO-53