

# 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) &lt; 1 A, (Cont'd)</b>													
-	2SD593	Sanken Elec	300m	400	30	200							
-	MST50	SemiconTech	300m	500	30	55	40M	6.0u			1.0	140 J	TO-5
-	MST50	Hybrid Semi	300m	500	30	55	40M	6.0u			1.0	175 A	TO-5
-	MST55	Hybrid Semi	300m	550	30	55	40M	6.0u			1.0	175 A	TO-5
5	MST55	SemiconTech	300m	550	30	55	40M	6.0u			1.0	175 A	TO-5
-	MST60	Hybrid Semi	300m	600	30	55	40M	8.0u			1.0	175 A	TO-5
-	MST60	SemiconTech	300m	600	30	55	40M	8.0u			1.0	175 A	TO-5
-	MST65	Hybrid Semi	300m	650	30	55	40M	8.0u			1.0	175 A	TO-5
-	MST65	SemiconTech	300m	650	30	55	40M	8.0u			1.0	175 A	TO-5
10	2SD594	Sanken Elec	300m	700	30	200		100u			1.0	140 J	TO-5
-	MSP75	Hybrid Semi	300m	750	30	55	40M	10u			2.0	175 A	TO-37var
-	MSP75	SemiconTech	300m	750	30	55	40M	10u			2.0	175 A	TO-37var
-	MSP80	SemiconTech	300m	800	25	50	40M	12u			2.0	175 A	TO-37var
-	MSP80	Hybrid Semi	300m	800	25	50	40M	12u			2.0	175 A	TO-37var
15	2SC3676	Sanyo Elect	300m	900	30		6.0M	10u			2.0	140 S	TO-220AB
-	2N5913	See Index	330m	14				300u			3.5	175 S	TO-39
-	MRF607	Motorola	330m	16	20	150		300m			3.5	175 S	TO-39
-	MRF607	Diode Trans	330m	16	20	150		300m			3.5	175 S	TO-39
-	2N5767	Space Power	350m	25	20			5.0m			1.0	175 S	StX-1/4
20	2N5767	CrimsonSemi	350m	25	20			5.0m			1.0	175 S	StX-1/4
-	2N5482	CrimsonSemi	350m	30	20	250		3.0m			1.0	175 S	SIX-8
-	2N5482	Space Power	350m	30	20	250		3.0m			1.0	175 S	SIX-8
-	2N5482	Diode Trans	350m	30	20	250		3.0m			1.0	175 S	SIX-8
25	40898	CrimsonSemi	350m	45				2.0m			4.1	175 J	TO-215AA
-	MST10	Hybrid Semi	350m	100	30	55	40M	3.0u			1.0	175 A	TO-5
-	MST10	SemiconTech	350m	100	30	55	40M	3.0u			1.0	175 A	TO-5
-	MST15	Hybrid Semi	350m	150	30	55	40M	3.0u			1.0	175 A	TO-5
-	MST15	SemiconTech	350m	150	30	55	40M	3.0u			1.0	175 A	TO-5
-	MST20	SemiconTech	350m	200	30	55	40M	3.0u			1.0	175 A	TO-5
30	MST20	Hybrid Semi	350m	200	30	55	40M	3.0u			1.0	175 A	TO-5
-	MST25	Hybrid Semi	350m	250	30	55	40M	3.0u			1.0	175 A	TO-5
-	MST25	SemiconTech	350m	250	30	55	40M	3.0u			1.0	175 A	TO-5
-	MST30	SemiconTech	350m	300	30	55	40M	3.0u			1.0	175 A	TO-5
35	MST30	Hybrid Semi	350m	300	30	55	40M	3.0u			1.0	175 A	TO-5
-	MST35	Hybrid Semi	350m	350	30	55	40M	3.0u			1.0	175 A	TO-5
-	MST35	SemiconTech	350m	350	30	55	40M	3.0u			1.0	175 A	TO-5
-	MST40	Hybrid Semi	350m	400	30	55	40M	4.0u			1.0	175 A	TO-5
-	MST40	SemiconTech	350m	400	30	55	40M	4.0u			1.0	175 A	TO-5
40	MST45	Hybrid Semi	350m	450	30	55	40M	4.0u			1.0	175 A	TO-5
-	MST45	SemiconTech	350m	450	30	55	40M	4.0u			1.0	175 A	TO-5
-	MSP50	Hybrid Semi	350m	500	30	55	40M	6.0u			2.0	175 A	TO-37var
-	MSP50	SemiconTech	350m	500	30	55	40M	6.0u			2.0	175 A	TO-37var
-	MSP55	SemiconTech	350m	550	30	55	40M	6.0u			2.0	175 A	TO-37var
45	MSP55	Hybrid Semi	350m	550	30	55	40M	6.0u			2.0	175 A	TO-37var
-	MSP60	Hybrid Semi	350m	600	30	55	40M	8.0u			2.0	175 A	TO-37var
-	MSP60	SemiconTech	350m	600	30	55	40M	8.0u			2.0	175 A	TO-37var
-	MSP65	Hybrid Semi	350m	650	30	55	40M	8.0u			2.0	175 A	TO-37var
-	MSP65	SemiconTech	350m	650	30	55	40M	8.0u			2.0	175 A	TO-37var
-	MSP70	Hybrid Semi	350m	700	30	55	40M	10u			2.0	175 A	TO-37var
50	MSP70	SemiconTech	350m	700	30	55	40M	10u			2.0	175 A	TO-37var
-	2SC2538	MitsubiElec	0.4	17	10	300		100u			7.0m	135	TO-92
-	40578	See Index	400m					100u			5.0	175 J	TO-39
-	MRF207	Motorola	400m	18	5.0			100u			3.5	175 S	TO-39
55	2N4427	See Index	400m	20	10	200	500M	20u			3.5	175 J	TO-39
-	BC517W	Mistral SpA	400m	30		30k					1.0		TO-92
-	2N3866	See Index	400m	30	5	200	500M	20u			4.0	175 J	TO-39
-	2N5090	See Index	400m	30	10	200		5.0m			4.0	175 J	TO-60
-	2N4976	See Index	400m	30	20	250	1.0M	5.0m			5.0	175 J	StX-8
-	2N5943	See Index	400m	30	25	300		10u			1	175 S	TO-39
60	MXR5943	Motorola	400m	30	25	300	1.0G	10u			1.0	140 S	SOT-89
-	2N5108	See Index	400m	55	6			20u			3.5	175 S	TO-39
-	2S017	SemiconTech	400m	60	12	36	4.7M	100u			2.0	175 A	TO-5
-	2S017	Hybrid Semi	400m	60	12	36	4.7M	100u			2.0	175 A	TO-5
65	2S017	Genrl Diode	400m	60	12	36	4.7M	100u			2.0	175 A	TO-5
-	2S019	See Index	400m	60	30	90	4.7M	100u			2.0	175 A	TO-5
-	2S018	SemiconTech	400m	100	12	36	4.7M	100u			2.0	175 A	TO-5
-	2S018	Hybrid Semi	400m	100	12	36	4.7M	100u			2.0	175 A	TO-5
-	2S018	Genrl Diode	400m	100	12	36	4.7M	100u			2.0	175 A	TO-5
-	TRS1004	See Index	400m	100	30		50k	3.0u			1.0	175 J	TO-5
70	TRS1004LP	SemiconTech	400m	100	30		50k	10u			1.0	175 J	TO-5
-	TRS1004LP	High Volt	400m	100	30		50k	10u			1.0	175 J	TO-5
-	TRS1005	See Index	400m	100	30		50k	3.0u			2.0	175 J	TO-37var
-	TRS1005LP	SemiconTech	400m	100	30		50k	10u			2.0	175 J	TO-37var
-	TRS1005LP	Hybrid Semi	400m	100	30		50k	10u			2.0	175 J	TO-37var
75	TRS1005LP	High Volt	400m	100	30		50k	10u			2.0	175 J	TO-37var
-	2S020	SemiconTech	400m	100	30	90	4.7M	100u			2.0	175 A	TO-5
-	2S020	Hybrid Semi	400m	100	30	90	4.7M	100u			2.0	175 A	TO-5
-	2S020	Genrl Diode	400m	100	30	90	4.7M	100u			2.0	175 A	TO-5
-	SRS1004	SemiconTech	400m	100	30		15M	3.0u			1.0	175 J	TO-5
80	MSP10	SemiconTech	400m	100	30	55	40M	3.0u			2.0	175 A	TO-37var
-	MSP10	Hybrid Semi	400m	100	30	55	40M	3.0u			2.0	175 A	TO-37var
-	TRS1204	See Index	400m	120	30		50k	3.0u			1.0	175 J	TO-5
-	TRS1204LP	SemiconTech	400m	120	30		50k	10u			1.0	175 J	TO-5
85	TRS1204LP	High Volt	400m	120	30		50k	10u			1.0	175 J	TO-5
-	TRS1205	See Index	400m	120	30		50k	3.0u			2.0	175 J	TO-37var
-	TRS1205LP	Hybrid Semi	400m	120	30		50k	10u			2.0	175 J	TO-37var
-	TRS1205LP	SemiconTech	400m	120	30		50k	10u			2.0	175 J	TO-37var
-	TRS1205LP	High Volt	400m	120	30		50k	10u			2.0	175 J	TO-37var
90	MM3008	See Index	400m	120	30		50M	100n			1.0	175 J	TO-39
-	ST3008	SemiconTech	400m	120	30		50M	100n			1.0	175 J	TO-39
-	TRS1404	See Index	400m	140	30		50k	3.0u			1.0	175 J	TO-5
-	TRS1404LP	High Volt	400m	140	30		50k	10u			1.0	175 J	TO-5
-	TRS1404LP	SemiconTech	400m	140	30		50k	10u			1.0	175 J	TO-5
95	TRS1405	See Index	400m	140	30		50k	3.0u			2.0	175 J	TO-37var
-	TRS1405LP	High Volt	400m	140	30		50k	10u			2.0	175 J	TO-37var
-	TRS1405LP	SemiconTech	400m	140	30		50k	10u			2.0	175 J	TO-37var
-	TRS1405LP	Hybrid Semi	400m	140	30		50k	10u			2.0	175 J	TO-37var