

# RF POWER SILICON NPN

Item Number	Part Number	Manufacturer	I <sub>c</sub> Max (A)	f <sub>T</sub> (Hz)	V <sub>(BR)CEO</sub> (V)	P <sub>D</sub> Max (W)	h <sub>FE</sub>		I <sub>cBO</sub> Max (A)	t <sub>r</sub> Max (s)	t <sub>f</sub> Max (s)	T <sub>Oper</sub> Max (°C)	Package Style
							Min	Max					
<b>I(C) &lt; 1 A, (Cont'd)</b>													
-	TN2218A	Natl Semi	800m	250M	40	2.0	40	120	10n			150 J	TO-237var
-	2N5581	See Index	800m	250M	40	2.0	20		10n	25n	60n	175 S	TO-46
-	TN2219A	Micro Elecs	800m	300M	40	2.0	100	300	10n			150 J	TO-237var
-	TN2219A	Natl Semi	800m	300M	40	2.0	100	300	10n			150 J	TO-237var
5	2N5582	See Index	800m	300M	40	2.0	35		10n	25n	60n	175 S	TO-46
-	KT922A	V/O Electro	800m	300M	65	8.0						150 J	SIX-M4
-	2SC822	Elec Trans	800m	400M	20	2.5	20	70	1.0u			175 J	TO-39
-	2SC822	Solid Stlnc	800m	400M	20	2.5	20	70	1.0u			175 J	TO-39
-	2SC3780	Sanyo Elect	800m	800M	60	15	40	320	0.1u			150	TO-220AB
10	BLX97	PhilipsElec	800m	1.0G	27	12	20	30				175 J	SIX-8
-	BLV92	PhilipsElec	800m	4.0G	16	9.0	25		5.0m			175 J	SOT-171
-	BLU99	PhilipsElec	800m	4G	16	12	25	100	5m			175 J	SOT-122D
-	2N697A	See Index	900m	50M	35	2.0	40	120	1.0u			135 J	TO-205AD
-	BUY11	Semelab	900m	140M	20	2.5	40	100	1.0m	9.0n	15n	150 J	TO-3
15	BUY11	NthAmerSemi	900m	140M	20	2.5	40	100	1.0m	9.0n	15n	150 J	TO-3
-	BLV20	PhilipsElec	900m	600M	36	20	10	100	1.0m			175 J	SOT-123
-	2N3375	ThmsnCSFEFC	1.5	500M	40	11	15	200	100u			175 J	TO-66
-	2N3375	PhilipsElec	1.5	500M	40	11	15	200	100u			175 J	TO-66
-	2N3375	NthAmerSemi	1.5	500M	40	11	15	200	100u			175 J	TO-66
<b>I(C) &gt;= 1 A</b>													
20	2N3253S	Space Power		175M	40	1.0	25	75	50n			175 J	TO-39
-	2N3253S	PPC Product		175M	40	1.0	25	75	50n			175 J	TO-39
-	BLY87C	PhilipsElec		950M	18	1.5	10	100	2m			175 J	SIX-8
-	BLY87C	NthAmerSemi		950M	18	1.5	10	100	2m			175 J	SIX-8
-	BFS23A	PhilipsElec	500m	500M	36	8.0	5.0	5.0m				175 J	TO-39
25	BFS23A	Hybrid Semi	500m	500M	36	8.0	5.0	5.0m				175 J	TO-39
-	SD1021	ThmsnCSFEFC	1.0		18	9.7	5	1.0m				200 J	SIX-8
-	MRF231	Motorola	1.0	90M	18	10	5.0	500u				175 S	SIX-8
-	MRF231	Diode Trans	1.0	90M	18	10	5.0	500u				175 S	SIX-8
-	2SD774	NEC Corp JA	1.0	95M	50	1.0	135	600	100n			150 J	SPAKvar
30	2SD471K	NECElecsinc	1.0	100M	25	1.0	200	400	100n			150 J	SPAKvar
-	2SD471L	NECElecsinc	1.0	100M	25	1.0	135	270	100n			150 J	SPAKvar
-	2SD471M	NECElecsinc	1.0	100M	25	1.0	90	180	100n			150 J	SPAKvar
-	MPS6601	Motorola	1.0	100M	25	1.5	50	500	100n	30n	50n	150 J	TO-226AA
35	MPS6601	Samsung	1.0	100M	25	1.5	50	500	100n	30n	50n	150 J	TO-226AA
-	MPS6601	SprgueElec	1.0	100M	25	1.5	50	500	100n	30n	50n	150 J	TO-226AA
-	MPS6602	Motorola	1.0	100M	40	1.5	50	400	100n	30n	50n	150 J	TO-226AA
-	MPS6602	SprgueElec	1.0	100M	40	1.5	50	400	100n	30n	50n	150 J	TO-226AA
-	MPS6602	Samsung	1.0	100M	40	1.5	50	400	100n	30n	50n	150 J	TO-226AA
-	TN3053	Natl Semi	1.0	100M	40	2.0	50	250	250n			150 J	TO-237var
40	TN3053	Micro Elecs	1.0	100M	40	2.0	50	250	250n			150 J	TO-237var
-	MM2270	SemiconTech	1.0	100M	45	1.0	50	200	50n			175 J	TO-39
-	2N2270	See Index	1.0	100M	45	1.0	50	200	50n			175 J	TO-39
-	2N2270S	PPC Product	1.0	100M	45	1.0	50	200	50n			175 J	TO-39
-	2N2270S	Space Power	1.0	100M	45	1.0	50	200	50n			175 J	TO-39
45	TN2270	Natl Semi	1.0	100M	45	2.0	50	200	50n			150 J	TO-237
-	MM2261	SemiconTech	1.0	100M	50	1.0	40	200	500n	1.0u	1.0u	175 J	TO-5
-	MM3053	CrimsonSemi	1.0	100M	50	1.0	40	300	100n			175 J	TO-39
-	MM3053	NthAmerSemi	1.0	100M	50	1.0	40	300	100n			175 J	TO-39
-	MM3053	SemiconTech	1.0	100M	50	1.0	40	300	100n			175 J	TO-39
50	ST3053	SemiconTech	1.0	100M	50	1.0	40	300	100n			175 J	TO-39
-	BSP40	PhilipsElec	1.0	100M	60	1.5	10	100	100n			150 J	SOT-223
-	BSP41	PhilipsElec	1.0	100M	60	1.5	30	390	100n			150 J	SOT-223
-	2SD1733	Rohm Co Ltd	1.0	100M	80	1.0	82	390					DPAK
-	2SD1733	Rohm Corp	1.0	100M	80	1.0	82	390					DPAK
55	BSP42	PhilipsElec	1.0	100M	80	1.5	10		100n			150 J	SOT-223
-	BSP43	PhilipsElec	1.0	100M	80	1.5	30		100n			150 J	SOT-223
-	TN3019	Natl Semi	1.0	100M	80	2.0	100	300	10n			150 J	TO-237var
-	TN3019	Micro Elecs	1.0	100M	80	2.0	100	300	10n			150 J	TO-237var
-	2SD1898	Rohm Co Ltd	1.0	100M	80	2.0	82	390					SOT-89
60	2SD1898	Rohm Corp	1.0	100M	80	2.0	82	390					SOT-89
-	MM2262	SemiconTech	1.0	100M	100	1.0	60	300	500n	1.0u	1.0u	175 J	TO-5
-	ZTX454	FerrantiLtd	1.0	100M	120	1.0	100	300	100n			175 J	TO-92
-	2N2485	See Index	1.0	100M	120	8.8	10		500u			175 S	TO-5
-	ZTX455	FerrantiLtd	1.0	100M	140	1	100	300	100n			175 J	TO-92
65	2N2650	See Index	1.0	100M	140	8.7	10		500u			175 S	TO-5
-	2N2486	Space Power	1.0	100M	140	8.8	10		500u			175 S	TO-5
-	2N2486	SemiconTech	1.0	100M	140	8.8	10		500u			175 S	TO-5
-	2N2486	Hi-Tron	1.0	100M	140	8.8	10		500u			175 S	TO-5
-	MM2263	SemiconTech	1.0	100M	150	1.0	40	200	500n	1.0u	1.0u	175 J	TO-5
70	40B14	Diode Trans	1.0	120M	40	5.0	50	250	10u			175 J	TO-39
-	BC302	See Index	1.0	120M	45	6.0	40	240	20n			175 J	TO-39
-	BC301	See Index	1.0	120M	60	6.0	40	240	20n			175 J	TO-39
-	2SC1509	Matsushita	1.0	120M	80	750m	65	330	100n			135 J	TO-92var
75	2SC1509	Elec Trans	1.0	120M	80	750m	65	330	100n			135 J	TO-92var
-	2SC1509	Solid Stlnc	1.0	120M	80	750m	65	330	100n			135 J	TO-92var
-	2SC4134	Sanyo Elect	1.0	120M	100	10	100	400	100n		50n	150	TO-251
-	2SC2824	ToshibaCorp	1.0	120M	120	1.0	80	240	100n			150 J	TO-126var
-	2SC3421O	ToshibaCorp	1.0	120M	120	1.5	80	160	100n			150 J	TO-126var
-	2SC3421Y	ToshibaCorp	1.0	120M	120	1.5	120	240	100n			150 J	TO-126var
80	BC300	See Index	1.0	120M	130	7.0	40	140	10u			100 C	TO-39
-	2SC1124	Solid Stlnc	1.0	120M	140	7.9	51	442	1.0u			125 J	TO-202var
-	2SD999	NECElecsinc	1.0	130M	25	2.0	90	400	100n			150 J	SOT-89
-	BCX54	See Index	1.0	130M	45	1.0	40	250	100n			150 J	SOT-89
-	BCP54	PhilipsElec	1.0	130M	45	1.5	40	250	100n			150 J	SOT-223
85	BCX55	See Index	1.0	130M	60	1.0	40	160	100n			150 J	SOT-89
-	BCP55	PhilipsElec	1.0	130M	60	1.5	40	250	100n			150 J	SOT-223
-	BCX56	See Index	1.0	130M	80	1.0	40	160	100n			150 J	SOT-89
-	BCP56	PhilipsElec	1.0	130M	80	1.5	40	250	100n			150 J	SOT-223
-	2SD600	Sanyo Elect	1.0	130M	100	8.0	60	320	1.0u			150 J	TO-126
90	2SD600K	Sanyo Elect	1.0	130M	120	8.0	60	320	1.0u			150 J	TO-126
-	2SC816	Solid Stlnc	1.0	140M	30	1.0	55		10u			175 J	TO-5
-	SK3263	GE Solid St	1.0	140M	45	5.0	120						TO-39
-	2SD1418	Hitachi Ltd	1.0	140M	80	1.0	60	320	10u			150 J	SOT-23
-	2SD1419	Hitachi Ltd	1.0	140M	100	1.0	60	200	10u			150 J	SOT-23