

R.F. TRANSISTORS AND DIODES

TABLE 1: NPN RF TRANSISTORS TO 1 WATT

The transistors shown in this table are suitable for use in a wide range of high frequency applications where high f_T , low noise and low intermodulation distortion features are required.

Typical applications include UHF/VHF amplifiers, communications equipments, domestic and automotive remote access products, and oscilloscopes.

Device Type	V_{CB0} V	V_{CE0} V	Min. f_T at		Max. noise figure at			C_{obo} or C_{re} Max. pf	h_{FE} at			P_{tot} mW	G_{pe} dB	Package Type
			MHz	I_C mA	N	I_C mA	f MHz		Min.	Max.	I_C mA			
2N3866	55	30	200	25	—	—	—	3.0	15	200	50	1000	8.5	TO-39
ZTX327	55	30	500	25	—	—	—	3.0	15	—	50	1000	8.5	E-Line
ZTX3866	55	30	400	25	—	—	—	3.0	15	200	50	1000	8.5	E-Line
MPSH10	30	25	650	4	—	—	—	0.65	60	—	4	350	—	E-Line
FMMTH10	30	25	650	4	—	—	—	—	60	—	4	350	—	SOT-23
2N4427	40	20	200	25	—	—	—	4.0	—	—	—	1000	15	TO-39
2N2708	35	20	700	2	8.5	2	200	1.5	30	200	2	200	15	TO-72
BFY90	30	15	1300	25	5	1	500	1.5	20	125	25	200	—	TO-72
ZTX325	30	15	1300	25	5	2	500	0.85	20	125	25	350	—	E-Line
BFS17	30	15	1300	25	4.5	2	500	0.85	20	125	25	350	—	SOT-23
2N918	30	15	600	4	6.0	1	60	1.7	20	—	3	200	15	TO-72
FMMT918	30	15	600	4	6.0	1	60	1.7	20	—	3	350	15	SOT-23
BFQ31A	30	15	600	4	6.0	1	60	1.7	20	100	3	350	15	SOT-23
BFQ31	30	15	600	4	6.0	1	60	1.7	20	100	3	350	15	SOT-23
ZTX320	30	15	600	4	6.0	1	60	1.7	20	—	3	300	15	E-Line
ZTX321	30	15	600	4	6.0	1	60	1.7	20	—	3	300	15	E-Line
ZTX322	30	15	600	4	6.0	1	60	1.7	20	150	3	300	15	E-Line
ZTX323	30	15	600	4	6.0	1	60	1.7	100	300	3	300	15	E-Line