

RF/Microwave Devices

RF Wideband Transistors (cont.)

Type No.	Polarity	Package Outline	f_T/I_C^* Curve No.	Ratings			Characteristics				
				V_{CE0} (V)	I_C (mA)	P_{tot} (mW)	f_T (GHz)	NF (dB)	@ f (MHz)	G_{UM} (dB)	@ f (MHz)
BFG198	NPN	SOT-223	(15)	10	100	700	7.5	—	—	15	800
BFG505	NPN	SOT-143	(21)	15	18	150	9	1.9	2000	13	2000
BFG505/X	NPN	SOT-143	(21)	15	18	150	9	1.9	2000	13	2000
BFG505/XR	NPN	SOT-143R	(21)	15	18	150	9	1.9	2000	13	2000
BFG520	NPN	SOT-143	(22)	15	70	300	9	1.9	2000	13	2000
BFG520/X	NPN	SOT-143	(22)	15	70	300	9	1.9	2000	13	2000
BFG520/XR	NPN	SOT-143R	(22)	15	70	300	9	1.9	2000	13	2000
BFG540	NPN	SOT-143	(23)	15	120	500	9	2.1	2000	11	2000
BFG540/X	NPN	SOT-143	(23)	15	120	500	9	2.1	2000	11	2000
BFG540/XR	NPN	SOT-143R	(23)	15	120	500	9	2.1	2000	11	2000
BFG541	NPN	SOT-223	(23)	15	120	650	9	2.1	2000	9	2000
BFG590	NPN	SOT-143	(24)	15	200	520	8	—	—	—	—
BFG590/X	NPN	SOT-143	(24)	15	200	520	8	—	—	—	—
BFG590/XR	NPN	SOT-143R	(24)	15	200	520	8	—	—	—	—
BFG591	NPN	SOT-223	(24)	15	200	1200	8	—	—	—	—
BFG621	NPN	SOT-223	(25)	15	150	1000	8	—	—	—	—
BFG741	NPN	SOT-223	(26)	15	300	2000	7	—	—	—	—
BFP90A	NPN	SOT-173	(7)	15	30	250	5	2.4	800	19.5	800
BFP91A	NPN	SOT-173	(8)	12	50	350	6	2.3	800	18.5	800
BFP96	NPN	SOT-173	(10)	15	100	500	5	3.7	800	15	800
BFP505	NPN	SOT-173	(21)	15	18	250	9	—	—	13	2000
BFP520	NPN	SOT-173	(22)	15	70	500	9	—	—	12	2000
BFP540	NPN	SOT-173	(23)	15	120	750	9	—	—	11	2000
BFQ17	NPN	SOT-143	(3)	15	25	300	2.8	2.5	800	15.5	800
BFQ18A	NPN	SOT-89	(11)	15	150	1000	3.6	—	—	—	—
BFQ19	NPN	SOT-89	(10)	15	75	500	5	3.3	500	11.5	500
BFQ22S	NPN	TO-72	(8)	12	35	150	5	1.9	500	16	500
BFQ23	PNP	SOT-37	(9)	12	35	180	5	2.4	500	16.5	500
BFQ23C	PNP	SOT-173	(9)	12	50	350	5	3.7	800	15	800
BFQ24	PNP	TO-72	(9)	12	35	150	5	2.4	500	15	500
BFQ32	PNP	SOT-37	(10)	15	75	500	4.2	3.8	500	14	500
BFQ32C	PNP	SOT-173	(10)	15	100	500	4.5	4.3	800	13	800
BFQ32M	PNP	TO-72	(10)	15	75	250	4.5	2.3	500	11	500
BFQ32S	PNP	SOT-37	(10)	15	100	700	4.5	4.3	800	10	800
BFQ33C	NPN	SOT-173	(17)	7	20	140	12	3	2000	12.5	2000
BFQ34	NPN	SOT-122	(11)	18	150	2250	4	8	500	16.5	500
BFQ34T	NPN	SOT-37	(11)	18	150	1000	3.7	—	—	19.5	300
BFQ51	PNP	SOT-37	(7)	15	25	180	5	2.4	800	18	500
BFQ52	PNP	TO-72	(7)	15	25	150	5	2.7	500	17	500
BFQ53	NPN	TO-72	(7)	15	25	150	5	2.4	500	18	500

* See page 51 for f_T/I_C curves chart.