

RF/Microwave Devices

RF Wideband Transistors

Type No.	Polarity	Package Outline	f_T/I_C^* Curve No.	Ratings			Characteristics				
				V_{CEO} (V)	I_C (mA)	P_{tot} (mW)	f_T (GHz)	NF (dB) @ f (MHz)	G_{UM} (dB) @ f (MHz)		
BF547	NPN	SOT-23	(18)	20	50	150	1.2	4.5	100	20	100
BF547W	NPN	SOT-323	(18)	20	50	300	1.6	—	—	20	100
BF689K	NPN	TO-92	(2)	15	25	360	1.8	3	200	16	200
BF747	NPN	SOT-23	(18)	20	50	300	1.2	—	—	13	500
BF747W	NPN	SOT-323	(18)	20	50	300	1.6	—	—	20	100
BF748	NPN	TO-92	(18)	20	50	500	1.2	—	—	11	500
BF751	NPN	TO-92	(8)	14	35	600	6.5	2.7	1000	11	1000
BF763	NPN	TO-92	(2)	15	25	500	1.8	5	800	—	—
BFG16A	NPN	SOT-223	(5)	25	150	1000	1.5	—	—	10	500
BFG17A	NPN	SOT-143	(3)	15	25	300	2.8	2.5	800	15.5	800
BFG25A/X	NPN	SOT-143	(19)	5	6.5	50	5	1.8	2000	—	—
BFG31	PNP	SOT-223	(10)	15	100	1000	5	—	—	12	800
BFG32	PNP	SOT-103	(10)	15	75	700	4.5	4.3	800	13.5	800
BFG33	NPN	SOT-143	(17)	7	20	140	12	3	2000	12	2000
BFG33/X	NPN	SOT-143	(17)	7	20	140	12	3	2000	12	2000
BFG33/XR	NPN	SOT-143R	(17)	7	20	140	12	3	2000	12	2000
BFG34	NPN	SOT-103	(11)	18	150	1000	4	2.3	800	14.5	800
BFG35	NPN	SOT-223	(11)	18	150	1000	4	—	—	12	800
BFG55	PNP	SOT-223	(11)	18	150	1000	4	—	—	11	800
BFG65	NPN	SOT-103	(14)	10	50	300	7.5	3	2000	10.5	2000
BFG67	NPN	SOT-143	(14)	10	50	300	8	2.2	2000	10.9	2000
BFG67/X	NPN	SOT-143	(14)	10	50	300	8	2.2	2000	10.9	2000
BFG67/XR	NPN	SOT-143R	(14)	10	50	300	8	2.2	2000	10.9	2000
BFG90A	NPN	SOT-103	(7)	15	25	180	5	2.4	800	19	800
BFG91A	NPN	SOT-103	(8)	12	35	300	6	2.3	800	17.5	800
BFG92A	NPN	SOT-143	(7)	15	25	300	5	2.4	800	17.5	800
BFG92A/X	NPN	SOT-143	(7)	15	25	300	5	2.4	800	17.5	800
BFG92A/XR	NPN	SOT-143R	(7)	15	25	300	5	2.4	800	17.5	800
BFG93A	NPN	SOT-143	(8)	12	35	300	6	2.3	800	17	800
BFG93A/X	NPN	SOT-143	(8)	12	35	300	6	2.3	800	17	800
BFG93A/XR	NPN	SOT-143	(8)	12	35	300	6	2.3	800	17	800
BFG94	NPN	SOT-223	(8)	12	60	700	6	2.3	800	15	800
BFG96	NPN	SOT-103	(10)	15	150	700	5	3.7	800	15	800
BFG97	NPN	SOT-223	(10)	15	150	700	5	3.7	800	12	800
BFG134	NPN	SOT-103	(16)	18	150	1000	7.5	—	—	8	2000
BFG135	NPN	SOT-223	(16)	18	150	1000	7.5	—	—	12	800
BFG195	NPN	SOT-103	(15)	10	100	700	7.5	1.4	800	11	2000
BFG197	NPN	SOT-143	(15)	10	100	300	7.5	1.4	800	11	2000
BFG197/X	NPN	SOT-143	(15)	10	100	300	7.5	1.4	800	11	2000
BFG197/XR	NPN	SOT-143R	(15)	10	100	300	7.5	1.4	800	11	2000

* See page 51 for f_T/I_C curves chart.