

# RF-IF High Frequency Transistors

TYPE NO.	POLARITY	CASE	MAXIMUM RATINGS			H <sub>FE</sub>				V <sub>CE(sat)</sub>		f <sub>T</sub>	C <sub>ob</sub>	N.F.
			P <sub>d</sub> (mW)	I <sub>C</sub> (mA)	V <sub>CEO</sub> V <sub>CBO</sub> *	min	max	I <sub>C</sub> (mA)	V <sub>CE</sub> (V)	max (V)	I <sub>C</sub> (mA)	min (MHz)	max (pF)	max (dB)
BF115	N	TO-72J	165	30	30	48	167	1	10	-	-	230+	0.8*	3.5+
BF155	N	TO-72G	200	20	40	20	-	2.5	10	0.3	10	400	0.4+*	9
BF167	N	TO-72J	150	25	30	27	-	4	10	0.95	10	300+	-	-
BF173	N	TO-72J	260	25	25	38	-	7	10	-	-	350	0.3*	-
BF180	N	TO-72G	150	20	20	45	-	2	10	-	-	675+	0.35	-
BF181	N	TO-72G	150	20	20	20	-	2	10	-	-	600+	0.9+	-
BF182	N	TO-72G	150	20	20	10	-	2	10	-	-	600+	1	7.4+
BF183	N	TO-72G	150	20	20	10	-	3	10	-	-	800+	1+	-
BF184	N	TO-72J	165	30	20	67	220	1	10	-	-	260+	0.9*	4
BF185	N	TO-72J	165	30	20	36	125	1	10	-	-	200+	0.9*	4
BF199	N	TO-92E	360	25	25	38	-	7	10	-	-	550+	0.32+*	-
BF200	N	TO-72G	150	20	20	15	-	2	10	-	-	500+	0.5*	5
BF224	N	TO-92E	360	50	30	30	-	7	10	0.15	10	300-	0.3+*	4
BF240	N	TO-92E	300	25	40	67	200	1	10	-	-	430-	0.34*	3.5
BF241	N	TO-92E	300	25	40	36	125	1	10	-	-	400-	0.34*	3.5
BF253	N	TO-92E	300	30	30	40	350 #	1	10	-	-	150	0.7+*	1.5
BF254	N	TO-92E	300	30	20	67	220	1	10	0.1+	10	260+	0.85+*	4
BF255	N	TO-92E	300	30	20	36	125	1	10	0.1+	10	200-	0.85+*	4
BF310	N	TO-92F	300	25	30	29	-	4	10	-	-	300-	1.6	-
BF311	N	TO-92E	300	25	25	40	-	15	10	-	-	750-	0.35*	-
BF314	N	TO-92F	300	25	30	29	-	4	10	-	-	450-	0.13*	-
BF368	N	TO-92A	310	50	15	35	125	1	10	0.4	10	250	1.7	-
BF369	N	TO-92A	310	50	20	70	220	1	10	0.4	10	400	1.7	-
BF494	N	TO-92E	300	30	20	67	220	1	10	0.1+	10	260+	0.85+*	4+
BF495	N	TO-92E	300	30	20	36	125	1	10	0.1+	10	200+	0.85+*	4+
BF562	N	TO-92F	250	20	20	20	-	3	10	-	-	600	-	3
BF594	N	TO-92E	250	30	25	65	220	1	10	-	-	260+	0.6+*	1.4+
BF595	N	TO-92E	250	30	25	35	125	1	10	-	-	260+	0.6+*	1.4+
BF597	N	TO-92E	360	25	25	38	-	7	10	-	-	550+	0.3+*	-
BFW68	N	TO-18	360	-	40	40	-	10	1	0.15	10	250	4	6
BFX89	N	TO-72G	25	15	20	20	150	2	1	-	-	1000+	1.7	4
BFY74	N	TO-18	360	100	45	40	180	10	5	1	10	250	4	-
BFY75	N	TO-18	360	100	45	65	300	10	5	1	10	250	4	-
BFY78	N	TO-18	300	50	12	20	-	3	1	0.4	10	500	2.8	6
BFY79	N	TO-72G	300	-	30	30	-	4	10	-	-	400	1.6	5.5
BFY88	N	TO-72J	175	25	25	40	-	5	1	-	-	750	0.28*	4
KM9016	N	TO-92A	300	50	20	28	198 #	1	5	0.5	10	500	1.6	3
KM9018	N	TO-92A	300	50	15	28	198 #	1	5	0.5	10	400	1.7	-
MPS918	N	TO-92A	350	50	15	20	-	3	1	0.4	10	600	1.7	-
MPS3563	N	TO-92A	350	50	12	20	200	8	10	-	-	600	1.7	6
MPS3693	N	TO-92A	350	50	45	40	160	10	10	-	-	200	3.5	4+
MPS3694	N	TO-92A	350	50	45	100	400	10	10	-	-	200	3.5	4+
MPS6507	N	TO-92A	350	100	20	25	-	2	10	-	-	700	2.5	-
MPS6511	N	TO-92A	350	50	20	25	-	10	10	-	-	-	2.5	-
MPS6539	N	TO-92C	350	50	20	20	-	4	10	-	-	500	0.7	4.5

# HFE groupings available + typical value