

# RF-IF High Frequency Transistors

TYPE NO.	POLARITY	CASE	MAXIMUM RATINGS			$H_{FE}$				$V_{CE(0.01)}$		$f_T$ min	$C_{ob}$ max	N.F. max
			$P_d$ (mW)	$I_C$ (mA)	$V_{CEO}$ $V_{CBO}^*$ (V)	min	max	$I_C$ (mA)	$V_{CE}$ (V)	max (V)	$I_C$ (mA)			
												(MHz)	(pF)	(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

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TYPE NO.	POLARITY	CASE	MAXIMUM RATINGS			$H_{FE}$				$V_{CE(sat)}$		$f_T$	$C_{ob}$	N.F.
			$P_d$	$I_C$	$V_{CEO}$ $V_{CBO}^*$			$I_C$	$V_{CE}$	max	$I_C$			
						(mW)	(mA)					(V)	min	max
MPSH11	N	TO-92C	310	50	25	60	-	5	10	0.5	10	800	0.9	6
MPSH17	N	TO-92C	625	50	15	25	250	2	12	1.3	10	100	3.2	-
PN3563	N	TO-92A	250	50	12	20	200	8	10	-	-	600	1.7	4+
PN3564	N	TO-92A	250	50	15	20	200	15	10	0.3	20	400	3.5	-
PN5130	N	TO-92A	250	50	12	15	250	8	10	0.6	10	450	1.7	4+
PN5132	N	TO-92A	250	50	20	30	400	10	10	0.2	10	200	3.5	-
2N917	N	TO-72G	200	50	15	20	200	3	1	0.5	3	500	1.7	6
2N918	N	TO-72G	200	50	15	20	-	3	1	0.4	10	600	1.7	6
2N3662	N	TO-92B	200	25	12	20	-	8	10	0.6	10	700	1.5	4
2N3663	N	TO-92B	200	25	12	20	-	8	10	0.6	10	700	1.5	4
2N3825	N	TO-92B	250	100	15	20	-	2	10	0.25	2	200	3.5	4
2N3826	N	TO-92B	360	30	45	40	160	10	10	-	-	200	3.5	4
2N3827	N	TO-92B	360	30	45	100	400	10	10	-	-	200	3.5	4
2N3854	N	TO-92B	200	100	18	35	70	2	4.5	0.2	10	100	3.5	-
2N3854A	N	TO-92B	200	100	30	35	70	2	4.5	0.2	10	100	3.5	-
2N3855	N	TO-92B	200	100	18	60	120	2	4.5	0.2	10	130	3.5	-
2N3855A	N	TO-92B	200	100	30	60	120	2	4.5	0.2	10	130	3.5	-
2N3856	N	TO-92B	200	100	18	100	200	2	4.5	0.2	10	140	3.5	-
2N3856A	N	TO-92B	200	100	30	100	200	2	4.5	0.2	10	140	3.5	-
2N4292	N	TO-92B	200	50	15	20	-	3	1	0.6	10	600	3.5	6
2N4293	N	TO-92B	200	50	15	20	-	3	1	0.6	10	600	3.5	6
2N4994	N	TO-92F	360	30	45	40	160	10	10	-	-	200	3.5	-
2N5179	N	TO-72G	200	50	12	25	250	3	1	0.4	10	600+	1	4.5
2N5180	N	TO-72G	180	-	15	20	200	2	8	0.3	10	650	1	-
2N5181	N	TO-72G	180	50	45*	27	-	1	6	-	-	400	-	-
2N5182	N	TO-72G	180	-	35*	27	-	1	6	-	-	400	-	-
2N5770	N	TO-92A	625	50	15	20	-	3	1	0.4	10	600+	1.7	6
2SC717	N	TO-92B	200	50	19	40	-	1	6	1	20	600	2	-
2SC817	N	TO-72G	120	20	15	35	300 #	1	1	-	-	550	0.7*	-
2SC829	N	TO-92B	250	30	20	40	250 #	1	10	0.1	10	150	1.6*	-
2SC838	N	TO-92B	250	50	25	30	180 #	0.5	3	0.3	10	150	2.5	-
2SC839	N	TO-92B	250	50	25	30	180 #	0.5	3	0.3	10	150	2.5	4
2SC929	N	TO-92B	120	30	10	40	320 #	1	6	-	-	170	1.6*	-
2SC930	N	TO-92B	120	30	10	25	320 #	1	6	-	-	170	1.6*	-
2SC1047	N	TO-92B	150	15	20	40	160	1	6	-	-	450	1*	5
2SC1215	N	TO-92B	200	50	20	25	-	2	10	0.1+	10	600	1.5*	20+
2SC1293	N	TO-92B	300	50	25	15	120	1	6	-	-	200	1.8*	-
2SC1359	N	TO-92B	250	30	20	50	200	1	10	0.1+	10	150	1.5*	4
2SC1674	N	TO-92B	250	30	20	40	180 #	1	6	-	-	350	1.3	-
2SC1730	N	TO-92B	300	50	15	60	180 #	5	10	0.5	10	800	1.5	-
2SC1789	N	TO-92B	200	50	18	20	-	2	10	-	-	600	1.5*	-
2SC1923	N	TO-92B	100	20	30	25	140 #	1	6	-	-	500	0.7+*	4

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