

# RF Bipolar Transistors

For complete package outlines, refer to pages PO-1 through PO-6

## RF Bipolar Transistors

Type		Maximum Ratings			Characteristics ( $T_A=25^\circ\text{C}$ )								Case			
N=NPN P=PNP		$V_{CE0}$	$I_C$	$P_{tot}$	$f_T$	NF	$I_C$	$V_{CE}$	$f$	$G_p$	$I_C$	$V_{CE}$	$f$	Style	Lead	SOT
		V	mA	mW											GHz	dB
BF199	N	25	25	500	0.55	-	-	-	-	43	7	10	35	TO-92d	50	BF599
BF240	N	40	25	250	0.40	1.7	1	10	0.1	-	-	-	-	TO-92d	50	BF840
BF241	N	40	25	250	0.40	1.7	1	10	0.1	-	-	-	-	TO-92d	50	BF841
BF254	N	20	30	250	0.26	3.8	1	10	100	-	-	-	-	TO-92d	50	BF554
BF255	N	20	30	250	0.22	3.8	1	10	100	-	-	-	-	TO-92d	50	BF554
BF414	P	30	25	300	0.56	3.0	5	10	100	-	-	-	-	TO-92d	51	-
BF450	P	40	25	250	0.38	3.0	2	10	100	-	-	-	-	TO-92d	52	BF550
BF451	P	40	25	250	0.33	3.0	2	10	100	-	-	-	-	TO-92d	52	BF550
BF506	P	35	30	300	0.55	3.0	2	10	200	-	-	-	-	TO-92d	51	-
BF606A	P	30	25	300	0.70	-	-	-	-	-	-	-	-	TO-92d	52	BF660
BF763	N	15	25	500	2.00	5.0	5	10	800	-	-	-	-	TO-92b	7	BF517
BF959	N	20	30	500	1.10	4.0	20	10	200	-	-	-	-	TO-92d	50	BF799
BF970	P	35	30	160	0.95	4.5	3	10	800	14.8	3	10	800	TPLAST	52	BF569
BFQ69	N	15	30	300	5.80	1.4	5	10	800	15.0	5	10	800	TPLAST	53	BFQ81
BFQ70	N	15	35	300	5.00	1.5	4	6	800	18.0	20	6	800	Cerec-X	54	BFQ29P
BFQ71	N	15	30	300	5.20	1.5	2	6	800	15.0	2	6	800	Cerec-X	54	BFR35AP
BFQ72	N	15	50	350	5.10	2.5	10	8	800	18.0	25	8	800	Cerec-X	54	BFR93P
BFQ73S	N	15	100	500	5.30	3.0	50	5	800	15.0	50	5	800	Cerec-X	54	BFQ19S
BFQ74	N	16	35	300	6.00	2.5	10	10	2000	14.0	15	10	2000	Cerec-X	54	BFQ81
BFQ75	P	12	50	350	5.00	3.0	10	8	800	14.0	30	8	800	Cerec-X	55	BFT93
BFQ76	P	15	30	250	5.00	2.5	4	10	800	17.0	14	10	800	Cerec-X	55	BFT92
BFQ82	N	12	80	400	8.00	2.3	10	8	800	11.0	30	8	2000	Cerec-X	54	BFP193
BFR90	N	15	30	200	5.00	2.0	2	6	800	14.0	15	6	800	TPLAST	53	BFR92P
BFR91A	N	12	35	300	6.20	1.6	5	8	800	14.0	30	8	800	TPLAST	53	BFP93A
BFR96S	N	15	100	700	5.50	3.2	70	10	800	11.5	70	10	800	TPLAST	53	BFQ19S
BFS55A	N	15	50	250	4.50	2.9	10	8	800	10.0	25	8	800	TO-72	50	-
BFT66	N	15	30	200	4.30	2.1	3	6	800	-	-	-	-	TO-72	50	BFQ29P
BFT98	N	20	200	2250	3.30	-	-	-	-	15.0	120	15	800	TO-117b	9	BFQ64
BFT98B	N	20	200	2250	3.30	-	-	-	-	14.0	120	15	800	TO-117a	9	-
BFT99	N	20	350	4000	3.30	-	-	-	-	12.0	240	15	800	TO-117b	9	-
BFW92	N	15	25	200	2.40	4.0	2	5	800	11.0	14	5	800	TPLAST	53	BFS17P
BFX59	N	20	100	370	0.90	3.4	3	10	200	-	-	-	-	TO-72	53	-
BFX59F	N	20	100	370	1.10	3.4	3	10	200	-	-	-	-	TO-72	53	-
BFY90	N	15	25	200	2.00	5.0	2	5	800	8.0	14	10	800	TO-72	53	BFS17P