















**HF-Bipolar-Transistoren / RF Bipolar Transistors**

**Metal Ceramic Package**

NPN

Type	Max. ratings			Characteristics									Package	Marking	Fig.
	$V_{CE0}$	$I_C$	$P_{tot}$	$f_T$	$F$	$G_p$			$f$						
	V	mA	mW	GHz	dB	$I_C$ mA	$V_{CE}$ V	$f$ GHz	dB	$I_C$ mA	$V_{CE}$ V	$f$ MHz			
BFQ 57	16	35	450	6.5	2.6	15	15	2	10.5	25	15	4	100 mil	57	23
BFQ 58	16	30	450	6.5	2.2	15	15	2	9	15	15	4	100 mil	58	23
BFR 14 A	12	30	250	5.0	3.8	3	10	2	12	15	10	2	140 mil	BFR 14 A	24
BFQ 59	20	35	700	4.8	3.4	8	10	2	11	15	10	2	200 mil	BFQ 59	25
 BFQ 70	15	35	300	5	1.5	4	6	0.8	18	20	6	0.8	Cerec-X	70	27 d
 BFQ 71	15	30	300	5.2	1.5	2	6	0.8	15	2	6	0.8	Cerec-X	71	27 d
 BFQ 72	15	50	350	5.1	2.5	10	8	0.8	18	25	8	0.8	Cerec-X	72	27 d
 BFQ 73*	15	75	500	4.9	3.9	50	5	0.8	10	60	8	0.8	Cerec-X	73	27 d
 BFQ 73 S	15	100	500	5.3	3.0	50	5	0.8	15	50	5	0.8	Cerec-X	73 S	27 d
 BFQ 74	16	35	300	6.0	2.5	10	10	2.0	14	15	10	2.0	Cerec-X	74	27 d
 BFQ 82	12	80	400	8.0	2.3	10	8	2.0	11	30	8	2.0	Cerec-X	82	27 d
 BFQ 181	12	20	175	7	1.3	-	-	0.9	19	-	-	0.9	Cerec-X	181	27 d
 BFQ 196	12	100	500	8	1.4	-	-	0.9	18	-	-	0.9	Cerec-X	196	27 d
 BFQ 645	12	40	400	9	1.9	7	8	2.0	11	7	8	2.0	Cerec-X	645	27 d
 BFT 98	20	200	2250	3.3	-	-	-	-	15	120	15	0.8	TO-117	-	11
 BFT 98 B	20	200	2250	3.3	-	-	-	-	14	120	15	0.8	TO-117	-	10
 BFT 99	20	350	4000	3.3	-	-	-	-	12	240	15	0.8	TO-117	-	11
 BFT 99 A	20	350	4000	3.3	-	-	-	-	12	240	15	0.8	TO-117	-	10

PNP

BFQ 75	12	50	350	5.0	3.0	10	8	0.8	14	30	8	0.8	Cerec-X	75	27 d
BFQ 76	15	30	250	5.0	2.5	4	10	0.8	17	14	10	0.8	Cerec-X	76	27 d
BFQ 194	15	100	500	5.0	Data sheet								Cerec-X	194	27 d

\* For new design BFQ 73 S