Short form Product Description

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BEREX

Internally Matched Gain Block Products

Part No.	BW (MHz)	Freq.(MHz)	Gs (dB)	P1 (dBm)	OIP3/tone (dBm)		NF (dB)	Vc (V)	Ic (mA)	PKG
BG11C	50-4000	70	22.8	15.9	29.9	6dBm	4.3	5.0	48	SOT89
		500	22.3	15.8	28.0		4.5			
		900	21.9	16.4	29.5		3.9			
		1900	20.8	17.3	30.0		4.0			
		2450	19.9	16.5	28.0		4.2			
	50-4000	70	22.3	13.0	25.6	6dBm	4.1	4.5	35	SOT89
		500	21.8	12.9	23.0		4.4			
		900	21.5	13.0	24.0		3.8			
		1900	20.5	14.3	26.0		3.9			
		2450	19.7	15.0	23.0		4.1			
BG12B	50-4000	70	18.6	20.1	36.5	5dBm	2.8	5.0	77	SOT89
		500	17.5	20.6	38.0		3.0			
		900	17.1	20.9	37.0		2.9			
		1900	15.0	20.0	34.5		3.1			
		2450	13.9	18.3	33.0		3.2			
	50-4000	70	18.5	18.0	35.0	5dBm	2.6	4.5	58	SOT89
		500	17.4	18.3	34.5		2.9			
		900	17.0	18.5	34.0		2.8			
		1900	14.9	18.1	30.5		3.0			
		2450	13.8	17.0	31.0		3.1			
BG12C	50-4000	70	21.5	20.0	36.0	7dBm	2.6	5.0	67	SOT89
		500	20.5	21.0	35.5		2.6			
		900	20.5	21.0	35.0		2.6			
		1900	18.5	20.0	33.0		2.7			
		2450	17.5	18.0	31.0		2.8			
		3500	16.1	15.5	27.2		2.8			
	50-4000	70	21.0	18.0	31.0	7dBm	2.5	4.5	49	SOT89
		500	20.5	18.0	31.0		2.5			
		900	20.2	17.5	30.5		2.5			
		1900	18.5	17.5	30.5		2.5			
		2450	17.5	16.5	29.0		2.6			
BG13B	5-4000	70	13.8	18.4	38.0	7dBm	8.1	5.0	70	SOT89
		120	13.8	18.6	37.5		8.1			
		900	13.5	18.5	37.0		8.1			
		1900	13.3	18.5	35.0		8.3			
		2140	13.0	18.5	35.0		8.3			
		2450	12.5	18.5	35.0		8.4			
		3500	12.1	17.7	30.0		8.5			
	5-4000	70	13.7	16.0	35.0	7dBm	8.1	4.5	58	SOT89
		120	13.7	15.9	34.0		8.1			
		900	13.4	15.8	32.0		8.1			
		1900	13.2	15.9	31.5		8.3			
		2140	12.9	15.9	31.0		8.3			
		2450	12.5	16.1	32.5		8.4			
BG13D	5-4000	70	26.5	18.8	36.0	7dBm	4.0	5.0	65	SOT89
		900	24.5	19.0	32.0		4.0			
		1900	21.5	19.0	32.0		4.2			
		2140	21.4	19.0	31.5		4.3			
		2450	20.0	19.0	31.5		4.5			
		3500	18.0	17.6	29.5		5.3			
	5-4000	70	24.8	14.4	26.0	7dBm	4.0	4.5	34	SOT89
		900	23.1	14.1	23.0		4.0			
		1900	20.6	13.8	23.5		4.2			
		2140	20.5	13.8	23.0		4.3			
		2450	19.3	15.2	23.5		4.5			
BG14A	5-4000	5	16.0	19.0	36.0	9dBm	5.4	5.0	85	SOT89
		70	17.0	19.7	38.5		5.4			
		900	16.7	19.7	37.5		5.5			
		1900	16.0	19.7	35.5		6.0			
		2450	15.4	19.7	34.5		6.3			
		3500	14.1	17.9	29.5		7.3			
	5-4000	5	15.9	17.2	35.0	9dBm	5.4	4.5	69	SOT89
		70	16.9	17.9	37.5		5.4			
		900	16.5	17.4	33.5		5.5			
		1900	15.9	17.5	32.5		6.0			
		2450	15.3	17.3	32.5		6.3			
BG14B	5-4000	70	17.3	19.5	37.0	9dBm	5.0	5.0	75	SOT89
		120	17.7	19.5	37.0		5.0			
		900	17.0	19.5	36.5		5.0			
		1900	16.0	19.5	35.0		5.2			
		2450	15.2	19.5	33.5		5.5			
		3500	14.3	17.6	29.0		7.0			
	5-4000	70	16.6	17.2	33.0	9dBm	4.8	4.5	58	SOT89
		120	17.0	17.2	33.0		4.9			
		900	16.8	16.6	32.0		5.0			
		1900	15.8	16.7	31.5		5.0			
		2450	15.1	16.8	30.5		5.5			
BG15A	50-4000	70	23.0	18.7	33.0	2dBm	2.8	5.0	55	SOT89
		500	21.5	18.3	33.2		2.9			
		900	21.2	17.8	32.7		2.9			
		1900	19.2	17.4	31.2		2.9			
		2140	18.7	17.1	30.5		2.9			
		2450	18.0	16.7	29.6		3.1			
		3500	16.6	15.3	28.0		3.3			
	50-4000	70	22.2	14.5	25.3	2dBm	2.6	4.5	34	SOT89
		500	20.7	14.6	25.5		2.8			
		900	20.6	13.9	25.1		2.8			
		1900	18.8	14.4	25.3		2.8			
		2140	18.3	14.5	25.2		2.8			
		2450	17.5	14.8	25.0		3.0			
		3500	16.3	14.2	25.4		3.0			

Internally Matched Gain Block Products

Part No.	BW (MHz)	Freq.(MHz)	Gs (dB)	P1 (dBm)	OIP3/tone (dBm)		NF (dB)	Vc (V)	Ic (mA)	PKG
BG16C	5-4000	70	20.2	17.8	31.0	3dBm	4.5	5.0	40	SOT89
		120	18.9	17.3	31.0		4.5			
		900	17.0	16.1	28.5		4.5			
		1900	16.0	15.2	27.0		4.6			
		2140	15.7	15.5	28.0		4.6			
		2450	15.3	15.0	27.5		4.7			
	5-4000	70	19.4	13.3	23.5	3dBm	4.5	4.5	29	SOT89
		120	18.1	12.8	23.5		4.5			
		900	16.3	11.8	22.0		4.6			
		1900	15.4	12.0	20.0		4.5			
		2140	15.2	12.2	22.0		4.6			
		2450	14.8	13.0	22.0		4.7			
BG17A	5-4000	70	21.0	18.3	37.0	5dBm	4.7	5.0	65	SOT89
		120	20.3	18.9	37.0		4.7			
		900	18.8	19.2	35.0		4.8			
		1900	17.0	19.2	33.0		4.9			
		2140	16.8	19.0	32.5		4.9			
		2450	16.2	18.0	31.0		4.9			
		3500	14.8	16.1	28.6		5.5			
	5-4000	70	20.6	15.0	31.0	5dBm	4.7	4.5	45	SOT89
		120	19.9	15.6	31.0		4.7			
		900	18.5	15.3	29.0		4.8			
		1900	16.7	16.1	29.0		4.9			
		2140	16.5	15.9	28.5		4.9			
		2450	16.0	17.0	27.5		4.9			
BG17C	5-4000	70	20.4	17.8	34.0	2dBm	3.8	5.0	55	SOT89
		120	19.3	18.5	33.5		3.8			
		900	17.8	17.5	31.0		3.9			
		1900	16.4	17.0	30.0		4.0			
		2450	15.6	16.1	29.0		4.0			
	5-4000	70	19.5	13.6	27.5	2dBm	3.8	4.5	37	SOT89
		120	18.6	14.3	27.0		3.8			
		900	17.4	14.3	24.5		3.9			
		1900	15.9	13.7	24.5		4.0			
		2450	15.3	12.7	24.0		4.0			
BG18A	50-4000	70	17.5	18.0	36.0	7dBm	4.2	5.0	70	SOT89
		500	16.0	18.7	37.5		4.2			
		900	15.5	19.1	36.0		4.2			
		1900	15.0	18.9	32.5		4.2			
		2100	14.7	18.7	31.5		4.2			
		2450	14.3	17.8	30.5		4.4			
	50-4000	70	17.3	16.9	33.5	7dBm	4.2	4.5	57	SOT89
		500	15.9	16.4	33.0		4.2			
		900	15.4	16.8	32.5		4.2			
		1900	14.9	17.1	30.5		4.2			
		2100	14.6	17.4	30.5		4.2			
		2450	14.2	16.2	29.0		4.4			
BG18B	50-4000	70	22.0	18.0	35.0	7dBm	3.6	5.0	72	SOT89
		500	20.7	18.8	35.0		3.6			
		900	20.3	19.0	34.0		3.4			
		1900	18.5	18.9	31.5		3.2			
		2100	18.3	18.6	31.0		3.4			
		2450	17.5	17.8	30.5		3.4			
		3500	15.1	15.8	27.0		4.6			
	50-4000	70	21.7	14.1	31.5	7dBm	3.6	4.5	53	SOT89
		500	20.5	16.8	32.0		3.6			
		900	20.1	16.5	30.5		3.4			
		1900	18.4	16.2	29.5		3.2			
		2100	18.1	16.8	30.5		3.4			
		2450	17.4	15.7	29.0		3.4			
BG18C	50-4000	70	23.5	19.0	35.0	7dBm	3.8	5.0	73	SOT89
		500	22.4	20.0	36.0		3.8			
		900	22.2	20.1	35.5		3.6			
		1900	20.9	18.8	32.5		3.7			
		2100	20.6	18.3	31.5		3.7			
		2450	19.9	17.3	32.0		3.9			
	50-4000	70	23.1	17.3	32.0	7dBm	3.8	4.5	52	SOT89
		500	22.2	17.2	32.0		3.8			
		900	21.9	16.7	31.0		3.6			
		1900	20.7	16.8	30.0		3.7			
		2100	20.5	17.2	29.5		3.7			
		2450	19.8	15.4	29.0		3.9			
BG18D	50-4000	500	24.3	19.5	36.0	7dBm	4.2	5.0	83	SOT89
		900	24.1	19.5	35.0		4.2			
		1900	22.2	19.0	32.0		4.3			
		2450	20.8	17.3	30.5		4.5			
BBA02	40-6000	70	17.2	22.6	36.5	5dBm	2.8	5.0	90	SOT89
		900	16.6	23.1	38.0		2.4			
		2140	15.6	23.2	35.0		2.9			
		3500	14.5	21.2	33.0		3.2			
		5800	13.5	17.2	28.5		5.2			
BBA03	30-6000	100	15.0	20.5	42.0	5dBm	1.9	5.0	100	SOT89
		900	14.7	20.5	39.7		1.9			
		2140	14.7	20.0	37.5		2.1			
		2650	14.5	19.0	36.5		2.1			
		3500	14.0	18.0	35.0		2.3			

Internally Matched 3.0-3.3V Gain Block Products

Part No.	BW (MHz)	Freq.(MHz)	Gs (dB)	P1 (dBm)	OIP3/tone (dBm)		NF (dB)	Vc (V)	Ic (mA)	PKG
BGS1	50-4000	50	24.0	15.6	28.0	0dBm	3.0	3.2	27	SOT363
		70	23.6	15.9	27.5		3.0			
		900	22.2	16.7	26.0		2.9			
		1900	19.2	14.9	25.4		3.0			
		2140	18.6	13.2	24.7		3.0			
		2450	17.3	12.6	24.0		3.3			
		3500	14.9	9.9	19.2		3.0			
	50-4000	50	22.1	14.7	20.4	0dBm	3.0	3.0	20	SOT363
		70	21.8	15.0	21.0		3.0			
		900	20.9	16.6	23.5		2.9			
		1900	18.3	15.1	24.4		3.0			
		2140	17.7	13.3	24.5		3.0			
		2450	16.7	12.9	24.7		3.3			
BGS2	50-4000	50	26.8	15.4	28.5	0dBm	2.7	3.0	34	SOT363
		70	26.5	15.6	28.0		2.7			
		900	23.6	13.4	25.5		2.3			
		1900	19.8	12.8	24.5		2.2			
		2140	19.0	11.2	23.0		2.2			
		2450	18.1	10.8	22.5		2.3			
		3500	15.0	8.7	19.2		2.7			
	50-4000	50	27.6	17.4	32.0	0dBm	2.7	3.3	54	SOT363
		70	27.3	18.0	30.0		2.7			
		900	23.9	15.0	27.0		2.3			
		1900	20.0	13.6	26.2		2.2			
		2140	19.3	12.3	24.5		2.2			
		2450	18.4	11.7	23.1		2.3			
BGS3	30-4000	30	28.8	16.0	30.0	0dBm	1.9	3.0	55	SOT363
		70	28.0	16.7	30.5		1.8			
		900	25.4	17.4	30.5		1.7			
		1900	21.6	16.9	30.5		1.8			
		2140	20.8	16.0	29.0		1.9			
		2450	20.0	16.0	28.5		1.9			
		2650	19.5	15.9	28.5		2.0			
		3500	18.0	14.5	27.2		2.0			
	30-4000	30	27.9	14.2	26.6	0dBm	1.8	2.7	34	SOT363
		70	27.1	14.7	27.9		1.6			
		900	24.7	14.8	26.4		1.6			
		1900	21.1	15.2	26.7		1.7			
		2140	20.5	14.5	26.3		1.8			
		2450	19.6	14.8	26.5		1.8			
		2650	19.1	15.2	27.1		1.9			
BGS4	50~4000	70	24.7	20.4	31.0	-3dBm	2.2	3.3	26	SOT363
		500	22.0	20.3	28.0		2.6			
		900	19.7	19.9	28.0		2.1			
		1900	14.2	18.8	30.0		2.1			
		2140	13.2	19.0	29.5		2.2			
		2650	11.1	19.0	30.0		2.3			
		3500	10.3	18.9	30.8		2.6			
BGS5	40-4000	40	19.0	15.0	32.5	0dBm	2.2	3.0	52	SOT363
		70	17.3	15.5	32.5		2.2			
		900	16.5	16.2	31.5		2.5			
		1900	15.0	15.4	28.5		2.7			
		2140	14.6	15.0	28.0		2.8			
		2450	14.1	14.4	27.0		2.9			
		2650	13.8	14.5	27.0		3.0			
		3500	13.3	13.7	24.6		2.7			
	40-4000	40	18.7	13.4	29.5	0dBm	2.1	2.7	39	SOT363
		70	18.0	13.8	29.4		2.2			
		900	16.7	13.7	27.7		2.4			
		1900	14.9	13.3	26.1		2.6			
		2140	14.6	12.8	25.4		2.7			
		2450	14.1	12.8	24.8		2.8			
		2650	13.7	13.1	25.0		2.8			
BGS6	50-4000	400	23.3	16.5	26.0	0dBm	3.0	3.3	27	SOT343
		900	21.8	17.0	26.0		2.9			
		1900	18.0	14.0	26.0		3.0			
		2450	16.2	12.5	24.0		3.3			
		2650	15.6	12.0	23.0		3.5			
BGE02	30-4000	70	21.1	18.8	35.1	0dBm	1.4	3.3	69	SOT363
		900	20.0	18.7	34.6		1.3			
		1900	19.5	17.8	34.4		1.5			
		2650	17.9	17.5	33.3		1.5			
		3500	17.2	17.7	34.5		1.5			
BNT01	1500-3000	1900	15.5	22.0	37.0	5dBm	1.60	4.4	68	SOT89
		2140	14.5	22.0	37.0		1.70			
		2650	13.0	22.0	36.0		1.80			
		1900	15.0	19.5	35.5	3dBm	1.60	3.3	47	
		2140	14.0	20.0	36.0		1.60			
		2650	12.5	20.0	35.0		1.70			

Internally Matched IF Amp. Products

Part No.	BW (MHz)	Freq.(MHz)	Gs (dB)	P1 (dBm)	OIP3/tone (dBm)		NF (dB)	Vc (V)	Ic (mA)	PKG
BG20B	5-800	70	22.0	21.0	41.0	13dBm	4.6	5.0	105	SOT89
		140	21.9	21.0	39.5		4.7			
		250	21.7	21.0	38.5		4.7			
		500	21.0	21.0	36.0		4.8			
	5-800	70	21.8	19.8	34.0	13dBm	4.6	4.5	79	SOT89
		140	21.8	19.3	37.0		4.7			
		250	21.6	19.2	35.5		4.7			
		500	20.9	19.6	33.5		4.8			
BIF1	50-800	70	15.2	20.0	44.0	10dBm	4.2	5.0	105	SOT89
		140	15.2	20.8	42.0		4.3			
		250	15.1	20.9	40.5		4.3			
		500	15.0	21.0	40.0		4.4			
		800	15.0	20.7	37.5		4.5			
	50-800	70	15.1	18.6	42.4	10dBm	4.2	4.5	79	SOT89
		140	15.1	19.3	42.0		4.3			
		250	15.0	19.4	38.0		4.3			
		500	14.9	19.3	38.0		4.4			
		800	14.9	19.4	36.0		4.5			
BIF3	50-800	70	20.3	23.5	43.0	8dBm	5.1	5.0	85	SOT89
		140	20.2	24.5	41.5		5.2			
		250	19.9	24.5	40.5		5.2			
		500	19.0	24.2	40.5		5.3			
		800	17.9	24.0	39.5		5.3			
	50-800	70	20.2	22.1	34.5	8dBm	5.1	4.5	54	SOT89
		140	20.2	23.0	37.5		5.2			
		250	19.8	23.1	34.5		5.2			
		500	18.7	22.6	35.5		5.3			
		800	17.5	22.2	34.5		5.3			
BIF5	50-1200	70	17.5	20.5	43.0	10dBm	4.0	5.0	107	SOT89
		140	17.5	20.5	42.5		4.1			
		250	17.5	20.5	41.0		4.2			
		500	17.5	21.0	40.0		4.3			
	50-1200	70	17.4	19.2	40.0	10dBm	4.0	4.5	85	SOT89
		140	17.4	19.0	41.0		4.1			
		250	17.5	19.2	38.5		4.2			
		500	17.4	19.4	36.5		4.3			
BIF7	50-1200	70	27.0	21.0	40.0	10dBm	2.9	5.0	95	SOT89
		140	27.0	21.5	38.5		2.9			
		250	26.5	21.5	38.0		3.0			
		500	25.5	21.0	36.0		3.0			
	50-1200	70	26.7	18.8	34.5	10dBm	2.9	4.5	67	SOT89
		140	26.6	19.2	34.0		2.9			
		250	26.2	19.5	33.0		3.0			
		500	25.1	19.6	31.5		3.0			
BIG2	50-600	70	15.6	20.3	40.0	8dBm	3.3	5.0	83	SOT89
		140	15.8	20.7	41.5		3.3			
		200	15.9	20.9	40.1		3.3			
		500	15.9	20.0	38.2		3.2			
	50-600	70	15.6	18.6	38.0	8dBm	3.2	4.5	68	SOT89
		140	15.7	18.8	38.5		3.2			
		200	15.8	18.9	37.5		3.1			
		500	15.8	18.6	35.5		3.1			
BIG4	50-600	70	20.9	21.0	40.0	8dBm	2.7	5.0	85	SOT89
		140	20.6	20.5	40.5		2.9			
		200	20.2	20.5	40.5		3.0			
		500	19.5	20.0	40.5		3.1			
	50-600	70	20.8	19.3	38.9	8dBm	2.6	4.5	69	SOT89
		140	20.4	19.1	39.0		2.8			
		200	20.0	18.9	39.0		2.9			
		500	19.2	18.8	39.0		3.0			
BIG8	50-600	70	27.0	20.5	40.5	8dBm	2.7	5.0	94	SOT89
		140	27.0	21.0	40.0		2.9			
		200	27.0	21.0	39.0		3.0			
		500	26.0	20.5	38.5		3.1			
	50-600	70	26.7	19.1	34.8	8dBm	2.8	4.5	66	SOT89
		140	26.7	19.2	34.9		2.8			
		200	26.5	19.1	33.7		2.8			
		500	25.7	18.4	32.5		2.9			

High OIP3 Products

Part No.	BW (MHz)	Freq. (MHz)	Gs (dB)	P1 (dBm)	OIP3/tone (dBm)		NF (dB)	Vc (V)	Ic (mA)	PKG
BT05AG	5-4000	70	24.5	23.0	38.0	10dBm	4.6	5.0	85	SOT89
		900	20.8	22.4	37.0		4.5			
		1900	16.3	22.5	40.0		4.4			
		2450	14.3	23.0	37.5		4.3			
BT05CV	5-4000	70	23.4	24.2	39.5	9dBm	4.6	5.0	85	SOT89
		900	21.5	23.9	43.5		4.4			
		1900	17.5	23.6	42.0		4.2			
		2450	15.0	24.1	40.5		4.3			
		3500	12.3	23.1	40.0		5.4			
BT05VG	1500-4000	1900	18.0	22.5	39.0	10dBm	4.6	5.0	85	SOT89
		2100	16.5	22.5	39.0		5.0			
		2450	15.0	23.5	39.0		4.6			
BT05VG2	1500-4000	1900	19.0	22.7	40.5	11dBm	3.9	5.0	85	SOT89
		2100	18.0	22.0	38.0		4.0			
		2450	16.5	23.2	38.0		4.2			
BT09AG	5-4000	70	25.0	24.5	39.0	14dBm	3.7	5.0	160	SOT89
		170	25.0	25.5	40.0		3.8			
		240	24.8	25.0	40.0		3.9			
		500	23.0	24.5	41.5		3.8			
		900	20.0	24.5	42.0		4.2			
		1900	14.5	24.2	42.0		4.2			
		2450	12.5	26.0	42.0		4.3			
BT09VG	5-4000	900	21.5	24.5	39.0	13dBm	3.7	5.0	160	SOT89
		1900	15.5	25.5	41.0		4.0			
		2450	13.5	27.0	41.5		4.7			
BT09E	500-4000MHz	900	22.8	25.8	40.5	10dBm	4.3	5.0	85	SOT89
		1900	18.7	25.2	37.0		4.4			
		2140	17.7	25.2	37.0		4.5			
		2650	16.1	25.1	36.5		4.7			
		3500	13.7	24.9	36.5		5.1			
BT013	1500-4000	1900	15.0	27.5	45.0	13dBm	6.8	5.0	135	SOT89
		2140	14.0	27.2	45.0		6.8			
		2400	13.2	27.0	43.0		6.8			

Medium Power Amplifier

Part No.	BW (MHz)	Freq. (MHz)	Gs (dB)	P1 (dBm)	OIP3/tone (dBm)		NF (dB)	Vc (V)	Ic (mA)	PKG
BT301	500-4000	900	18.5	29.5	49.0	16dBm	8.5	5.0	350	SOIC8
		1900	12.5	30.3	49.0		8.6			
		2100	11.5	30.3	47.0		7.5			
		2400	10.5	30.3	49.0		7.5			
		3500	7.6	27.9	42.5		7.3			
BT302	500-4000	915	22.0	29.6	43.0	16dBm	4.1	5.0	215	SOT89
		2140	17.0	29.2	41.8		4.2			
		2400	16.0	29.5	42.1		4.2			
		2600	15.3	29.5	41.3		4.2			
		3500	13.2	29.2	40.8		4.3			
BT331	700~2700	900	19.8	32.0	49.0	20dBm	4.8	5.0	410	SOIC8
		1900	14.0	33.2	52.0		5.0			
		2140	13.2	32.6	52.0		5.0			
		2600	12.1	31.2	47.0		5.4			
		3500	10.7	29.5	45.8		6.2			
BT33L	200-1000	200	25.7	31.8	42.8	20dBm	8.6	5.0	410	QFN
		540	23.4	32.4	47.3		6.5			
		700	22.0	33.0	48.4		6.8			
		900	21.3	32.7	47.6		6.8			
BMT321	1500-2800	1700	27.8	32.4	50.0	17dBm	5.8	5.0	381	QFN
		1800	27.4	32.4	50.0		5.3			
		1900	27.0	32.5	50.0		5.0			
		2140	25.3	32.4	50.0		5.2			
		2650	22.3	31.4	50.0		5.0			
BMT332	700~2400	850	33.7	33.8	50.0	23dBm	6.9	5.0	680	QFN
		1750	28.0	33.5	49.0		6.0			
		1850	27.3	33.3	48.0		6.0			
		1960	26.7	33.1	48.0		5.6			
		2140	26.0	33.1	47.0		5.5			
		2350	24.0	33.1	48.0		5.4			
BMT333	1800~2700	1800	29.7	32.9	45.1	23dBm	5.9	5.0	550	QFN
		2350	27.4	34.1	50.0		5.3			
		2550	26.2	33.3	48.3		5.0			
		2650	25.5	33.5	48.2		5.1			
BMT352	3000-4000	3400	20.8	31.4	47.0	17dBm	5.1	5.0	356	QFN
		3500	20.7	31.5	45.0		5.1			
		3600	20.6	31.8	47.0		5.2			
		3700	20.5	31.7	45.0		5.5			
		3800	20.5	31.4	41.5		5.8			

Wide Band Low Noise Amplifier

Part No.	BW (MHz)	Freq.(MHz)	Gs (dB)	P1 (dBm)	OIP3/tone (dBm)		NF (dB)	Vd (V)	Id (mA)	PKG
BL011	5-4000	900	22.0	20.5	33.5	5dBm	0.91	5.0	75	SOT89
		1900	17.0	20.5	36.0		1.13			
		2140	16.5	20.5	35.5		1.17			
		2450	15.5	20.0	38.0		1.30			
BL022A	50-3000	70	26.0	20.3	39.5	5dBm	1.60	5.0	70	SOT89
		900	23.0	22.0	36.5		1.35			
		1900	19.0	22.0	35.5		1.50			
		2140	18.5	22.0	35.0		1.55			
		2650	17.5	22.0	34.0		1.80			
BL081	5-4000	900	20.5	17.5	28.5	5dBm	0.95	5.0	27	SOT89
		1900	17.0	17.5	30.0		1.13			
		2140	16.0	17.5	30.0		1.15			
		2450	15.5	17.5	30.0		1.25			
		3500	13.4	18.5	31.1		1.40			
BL082	5-4000	900	20.9	18.8	28.0	5dBm	0.88	5.0	27	SOT363
		1900	17.1	19.2	30.3		1.00			
		2140	16.2	19.5	30.6		1.08			
		2350	15.6	19.3	31.6		1.14			
		2650	14.6	19.0	31.4		1.14			
		3500	12.5	18.6	29.9		1.30			
BL083	50-4000	900	20.4	17.9	30.0	0dBm	0.78	3.0	42	SOT363
		1850	15.6	17.7	31.5		0.78			
		2140	14.3	17.7	31.5		0.95			
		2650	13.1	17.4	32.5		0.95			
		3500	10.6	17.6	32.2		1.16			
BNT01	1500-3000	1900	15.5	22.0	37.0	5dBm	1.60	4.4	68	SOT89
		2140	14.5	22.0	37.0		1.70			
		2650	13.0	22.0	36.0		1.80			
BNT02	40-6000	70	21.7	22.0	38.6	5dBm	0.90	5.0	85	SOT89
		900	20.8	22.3	38.0		1.00			
		2140	19.3	21.8	37.7		1.10			
		3500	17.5	19.6	37.5		1.50			
		4650	17.3	18.9	37.1		1.90			
BLB01	500-1500	500	24.5	21.2	38.0	0dBm	0.65	5.0	66	DFN2x2
		700	22.5	21.1	37.5		0.40			
		900	21.0	20.9	35.5		0.40			
		1500	17.5	19.3	32.5		0.62			
BLB02	1500-2700	1750	19.0	19.5	36.0	0dBm	0.60	5.0	60	DFN2x2
		1950	18.1	19.5	36.8		0.67			
		2140	17.5	19.2	35.0		0.77			
		2650	15.6	19.0	33.0		0.99			
BLB03	1500-4000	1850	20.3	20.9	33.9	0dBm	0.32	5.0	57	DFN2x2
		2140	19.5	21.0	34.3		0.36			
		2650	18.0	21.0	35.8		0.45			
		3500	16.4	20.1	35.5		0.67			

Multi - Band 2 Way SMT Power Divider

Part No.	BW(MHz)	Freq. (MHz)	I/L (dB)	Iso. (dB)	Phase Diff.		Amplitude Diff.		*Solder	*PKG	Impedance
BD0926	700-1000 Cellular,GSM 900	750	0.55	22.0	0.2	Deg	0.01	dB	without	SOT26	50 Ohm
		850	0.57	31.4	0.2		0.01				
		950	0.63	19.0	0.4		0.01				
BD1926	1700-2300 PCS, WCDMA	1700	0.51	20.1	1.4	Deg	0.04	dB	without	SOT26	50 Ohm
		1900	0.55	24.8	1.5		0.07				
		2075	0.63	21.6	1.5		0.06				
BD2326	1900-2500 PCS, WCDMA, WiBro, TD-SCDMA	1900	0.58	23.3	0.7	Deg	0.03	dB	without	SOT26	50 Ohm
		2075	0.59	27.5	0.7		0.04				
		2350	0.69	19.5	0.6		0.06				
BD2626	2400-2900, WCDMA,WiBro, LTE	2400	0.61	23.3	0.75	Deg	0.07	dB	without	SOT26	50 Ohm
		2500	0.59	25.1	0.75		0.07				
		2650	0.61	28.2	0.75		0.07				
		2800	0.66	25.8	0.75		0.09				
		2900	0.64	22.0	0.75		0.09				
BD3526	2800-4200, WCDMA, LTE&5G	2800	0.62	15.7	0.39	Deg	0.10	dB	without	SOT26	50 Ohm
		3200	0.63	23.7	0.33		0.08				
		3500	0.59	38.0	0.38		0.05				
		3800	0.63	22.4	0.60		0.05				
		4200	0.82	16.5	0.54		0.08				
BD4026	600-4200 WCDMA, LTE &5G	600	0.80	7.30	0.13	Deg	0.01	dB	without	QFN 3x3	50 Ohm
		1600	0.70	29.30	0.23		0.02				
		2100	0.70	25.60	0.13		0.01				
		2600	0.80	25.10	0.05		0.02				
		3500	1.30	15.60	0.15		0.04				

* Solder : Can be used without back side ground soldering or with it.

* PKG : Industry Standard SOIC-8 SMT Plastic Package with exposed back side ground pad.

RF Mixer with Integrated LO Amp

Part No.	RF Freq.(MHz)	IF Freq.(MHz)	Conversion loss(dB)	P1 (dBm)	Input IP3(dBm)	Lo power(dBm)	Vd(V)	Current(mA)	Package
BM831	700-1400	50-210	9.1	24.2	31.7	-2 ~ +2	5.0	58.0	MSOP-8
	700-1400	50-210	9.0	19.1	28.5	-2 ~ +2	3.3	45.0	MSOP-8
BM851	1700-2700	50-300	8.1	23.0	32.8	-2 ~ +4	5.0	57.5	MSOP-8
	1700-2700	50-300	8.2	18.8	30.3	-2 ~ +4	3.3	44.5	MSOP-8
BM351	2500-2600	500-700	9.1	22.1	29.7	-2 ~ +2	5.0	85.0	TDFN 8
	2500-2600	500-700	8.6	19.6	25.8	-2 ~ +2	3.0	62.0	TDFN 8

Digital Step Attenuator

Part No.	Freq. (MHz)	Insertion Loss(dB)	Attenuation Range(dB)	Attenuation Step(dB)	Input Return Loss(dB)	Output Return Loss(dB)	Input P 0.1dB(dBm)	Input IIP3(dBm)	Interface	PKG
BDA4601	1-4000	0.8~2.3	31.5	0.5	16~24	15~22	34	52-57	Serial/Parallel	QFN 4x4

Digital Variable Gain Amplifier

Part No.	Freq. (MHz)	Gain(dB) at 1900MHz	OP1dB(dBm) at 1900MHz	OIP3(dBm) at 1900MHz	ATT Range/ Step Size(dB)	Control Interface	Vc(V)	Icc(mA)	NF(dB)	PKG
BVA303B	30-4000	21.0	16.0	30.0	31.5 / 0.5	Serial/Parallel	3.0	54	2.9	QFN 4x4
BVA304B	30-4000	12.3	19.3	31.0	31.5/0.5	Serial/Parallel	3.3	26	3.6	QFN 4x4
BVA305B	40-4000	14.0	14.8	29.0	31.5 / 0.5	Serial/Parallel	3.0	54	4.1	QFN 4x4
BVA518B	5-4000	19.1	18.6	32.2	31.5 / 0.5	Serial/Parallel	5.0	73	5.8	QFN 4x4
BVA2140B	700-4000	30.4	26.8	40.2	31.5 / 0.5	Serial	5.0	150	2.7	QFN 4x4
BVA2182	500-3000	33.4	21.2	38.2	31.5 / 0.5	Serial	5.0	170	1.6	QFN 7x7
Part No.	Freq. (GHz)	Gain(dB)	OP1dB(dBm)	OIP3(dBm)	ATT Range/ Step Size(dB)	Control Interface	Vc(V)	Icc(mA)	NF(dB)	PKG
BVA3143	3.3-3.8	40.0	26.5	41.5	31.75/0.25	Serial/Parallel	5.0	306	3.9	LGA 6x6
BVA3144	4.4-4.9	36.5	26.5	40.0	31.75/0.25	Serial/Parallel	5.0	310	4.1	LGA 6x6
BVA7242N	3.0-4.2	33.5	19.6	37.5	31.75 / 0.25	Serial	5.0	165	1.9	LGA 6x6

Wide Band Single Pole Double Throw Switch

Part No.	BW(MHz)	Freq.(MHz)	Insertion Loss(dB)	Isolation RF1/RF2(dB)	Return Loss/On state(dB)	Return Loss/ Off state((dB)	Input P1(dBm)	Input IP3(dBm)
BSW841	DC-4000	DC-1GHz	0.6	50.0/51.5	26.0	17.0	24.0	47.0
		DC-2GHz	0.7	43.5/45.0	21.0		23.0	48.0
		DC-3GHz	0.8	33.0/34.0	23.5		22.0	47.0
		DC-4GHz	0.9	27.0/27.5	16.1		22.0	46.0

High Linearity Reflective Single Pole Double Throw Switch

Part No.	BW(MHz)	Freq.(MHz)	Insertion Loss(dB)	Isolation(dB) RFC to RFx	Return Loss((dB)	Input P1(dBm)	Input IP3(dBm)	2nd Harmonic (dBc)	Switching Time(ns)	
BSW6321	5-6000	1000	0.42	52	20				500 ns_50% ctrl to 90% RF	400 ns_50% ctrl to 10% RF
		2000	0.48	43		39	63	85		
		4000	0.60	33						
		6000	0.80	28		36	67	95		
BSW6420	50-6000	1000	0.70	69	15				540 ns_50% ctrl to 90% RF	530 ns_50% ctrl to 10% RF
		2000	0.77	67		40.5	63.5	97		
		4000	0.80	52		41	66	97		
		6000	1.03	45						
BSW6440	50-6000	1000	0.77	67	15				425_50% ctrl to 90% RF	420_50% ctrl to 10% RF
		2000	0.85	62		40.3	62.5	98.7		
		4000	0.83	53						
		6000	1.29	42		39.9	64.1	93.4		
BSW7221	5-6000	1000	0.42	52	20				135 ns_50% ctrl to 90% RF	90 ns_50% ctrl to 10% RF
		2000	0.46	47		37	65	95		
		4000	0.52	34						
		6000	0.59	28		35	64	80		
BSW722T	5-6000	1000	0.37	52	20				135_50% ctrl to 90% RF	90_50% ctrl to 10% RF
		2000	0.40	47		37	65	95		
		4000	0.47	34						
		6000	0.51	28		35	64	80		
BSW7321	5-6000	1000	0.52	52	20				145 ns_50% ctrl to 90% RF	105 ns_50% ctrl to 10% RF
		2000	0.55	45		39	65	90		
		4000	0.66	35						
		6000	0.73	29		39	65	90		
BSW7421	5-6000	1000	0.73	55	20				140 ns_50% ctrl to 90% RF	125 ns_50% ctrl to 10% RF
		2000	0.73	52		39	65	95		
		4000	0.83	50						
		6000	0.93	36		38	65	80		

Front End Module

Part Number	RF Frequency (MHz)	Description	Rx Gain (dB)	Rx NF (dB)	Rx Current (mA)	Tx Gain (dB)	Saturated Output Power (dBm)	Tx Current (mA)	Supply Voltage (V)	Package
BFM4120	2400-2500	ZigBee/Thread/ Bluetooth FEM	11.5	2.6	8	24	21	75/90	2.7-3.6	16L 3 x 3 x 0.55mm QFN
8TR1211	2400-2500	Bluetooth FEM_PA, By pass	-	-	-	14	17/15	15/23	2.7-3.6	16L 2 x 2 x 0.45mm QFN
8TR2211	2400-2500	ZigBee/Bluetooth FEM_LNA,By pass	13/11	2.0(2.5)	7(4)	-	-	-	2.7-3.6	16L 2 x 2 x 0.45mm QFN
8TR8201	2400-2500	ZigBee/Thread/ Bluetooth FEM	11.5	2.6	8	24	21	75/90	2.7-3.6	16L 3 x 3 x 0.55mm QFN
8TR8202	2400-2500	High Power ISM FEM	10.5	3.0	8.5	28/32	15/23	60/108/136	2.7-3.6	16L 3 x 3 x 0.55mm QFN
8TR8210	2400-2500	Bluetooth,Low Power FEM	12/11	2.5(3.0)	8(5.5)	23	20/21	75/85	2.7-3.6	16L 3 x 3 x 0.55mm QFN
8TR8211	2400-2500	Bluetooth FEM	13.0	2.3	8	12	12/13/14	15/23	2.7-3.6	16L 2 x 2 x 0.45mm QFN
8TR1111	850-930	Sub-GHz ISM Band FEM	-	-	-	34	24/23	260/100	2.7-3.6	16L 3 x 3 x 0.45mm QFN
8TR1218	2400-2500	Bluetoth FEM_PA, By pass,Tx-Rx SW	-	-	-	10	10	18/8	2.0-3.6	8L 2 x 2 x 0.45mm DFN
8TR1241	2400-2500	Bluetooth FEM_4-port Antenna	-	-	-	11	12/13/14	17/22	2.7-3.6	20L 3 x 3 x 0.55mm QFN
8TR7201	2400-2500	Bluetooth, PA IC	-	-	-	22/23	21	80/18	1.8-3.6	8L 2 x 2 x 0.45mm QFN
8TR8211C	2400-2500	ZigBee/Bluetooth FEM_LNA,By pass	13.0	2.4	4.5	12	12/13/14	15/23	2.7-3.6	16L 2 x 2 x 0.45mm QFN
8TR8213	2400-2500	Bluetooth FEM_PA/LNA	13.0	2.5	8	16	16	12/32	2.7-3.3	16L 2 x 2 x 0.45mm QFN
8TR8220	2400-2500	High Power ISM FEM	11(8)	2.7(3)	9(5)	30	23	95/150	2.7-3.6	16L 3 x 3 x 0.55mm QFN
8TR8241	2400-2500	Bluetooth FEM_4-port Antenna	13(11)	3.8(4.1)	9.5(6)	11	12/13/14	17/22	2.7-3.6	20L 3 x 3 x 0.55mm QFN