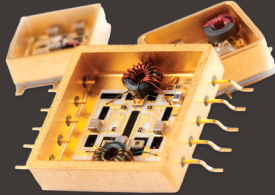


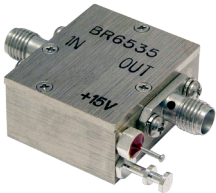
Ultra High Linearity Amplifiers

Second Order Intercept Performance as High as +113 dBm



Customization Without Additional NRE

- Ultra High Linearity
- High Efficiency Designs
- Broad Bandwidths
- High IP3 Performance
- MIL-STD Screening Available



- API offers a complete line of the highest performance, highest linearity amplifiers the industry has to offer.
- We offer many non-standard package options and can customize our designs to meet your unique project requirements.
- Learn more on the API Technologies website: micro.apitech.com/high-linearity-amplifiers

Model #	Frequency Range MHz	Gain dB	Noise Figure dB	P1dB Comp Point dBm	3rd Order Intercept dBm	2nd Order Intercept dBm	DC Power V/mA
BXMP1170	0.3 - 70	16	6	33	57	113	24 / 350
BXMP1171	0.5 - 70	18	5	33	57	113	24 / 350
QB-101	2 - 70	21.9	4	31	54	105	24 / 420
BXMP1172	1 - 50	12	5.5	30	53	105	24 / 350
QB-152	0.5 - 35	21.9	4	31	50	100	24 / 420
BXMP1027	50 - 500	10.5	4	37	61	95	15 / 2200
BXMP1001	1 - 35	22	3.7	32	49	93	24 / 425
BXMP1003	5 - 35	22	3.7	32	49	93	24 / 425
BXMP1012	0.5 - 35	22	3.7	32	49	93	24 / 425
BXMP1029	1 - 35	12	4	31.5	48	91	15 / 400
BXMP1034	50 - 450	11	5.5	36	61	90	15 / 2500
BXMP1030	1 - 200	16	4	28	43	80	15 / 250
WN3105	0.5 - 300	12	4.5	28	44	75	15 / 235

CONTINUED ON PAGE TWO

Model #	Frequency Range MHz	Gain dB	Noise Figure dB	P1dB Comp Point dBm	3rd Order Intercept dBm	2nd Order Intercept dBm	DC Power V/mA
BXMP1006	20 - 600	13.5	5.5	28	40	73	15 / 250
BXMP1031	50 - 100	13.5	5.5	28.5	40	73	15 / 250
BXMP1009	5 - 500	18	4.5	22	36	70	15 / 160
BXMP1018	1 - 100	16	4	28	44	70	15 / 250
BXMP1019	10 - 300	10.8	5	28	42	70	15 / 235
BXMP1010	5 - 500	18	4.5	21.5	35	69	15 / 160
TN3050	10 - 250	10.5	4.5	28	43	68	15 / 210
QBH-2818	0.35 - 400	18.5	5	30	42	68	24 / 245
WNMP1025	500 - 1000	14	5	32	45	65	15 / 490
QBS-368	2400 - 2500	32	7	46	55	65	15 / 10500
RNMP1039	500 - 3000	13	6	26.5	46	65	15 / 200
QB-7205	2 - 30	22	5	27	48	65	24 / 250
BXMP1004	50 - 250	31	3.5	33.5	43	63	15 / 660
WNMP1005	10 - 200	21	5.5	30	43	63	15 / 300
BXMP1026	50 - 250	31	3.5	33.5	43	63	15 / 660
QBS-230	800 - 960	39	7	43	53	63	12.5 / 7000
TN3098	10 - 300	13.5	5	30	45	63	15 / 240
BXMP1008	50 - 250	17	5.6	33.5	43	63	15 / 600
TN3110	10 - 200	15.5	3.5	30	45	63	15 / 240
QBS-367	2400 - 2450	32	7.5	42	52	62	15 / 6500
TN3072	10 - 300	13.5	5	27.5	44	60	15 / 180
TN9708	10 - 2100	11.5	3.6	24.5	40	60	15 / 165
RN3111	1 - 300	13.5	4	27.5	44	60	15 / 180
TN3106	500 - 2500	11	4	20	42	60	15 / 195
WNMP1000	100 - 1000	10	7	30	43	60	15 / 350
WN3119	1 - 200	10.5	5.5	27.5	42	60	15 / 100

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(Typical Performance at 25C)

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