

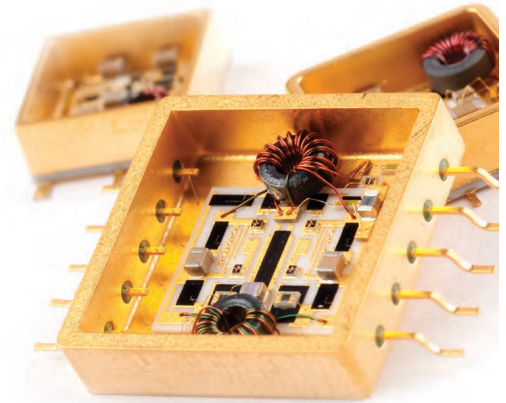
Medium Power Amplifiers

APITech offers a complete line of the highest performance, Medium Power Amplifiers the industry has to offer.

APITech offers many non-standard package options and can customize our designs to meet your unique project requirements.

Fully Customizable Without Additional NRE

- Silicon BiPolar and GaAs FET Based Designs
- No need for additional external circuitry
- High Linearity and Low Phase Noise Options
- Broad-bandwidth Operation



Part Numbers	Frequency (MHz)	Gain (dB)	P1dB (dBm)	Supply (Volts)	Current (mA)
BXMP1034	50 - 450	11	36	15	2500
BXMP1008	50 - 250	17	33.5	15	600
BXMP1026	50 - 250	31	33.5	24	660
BXMP1004	50 - 250	31	33.5	15	660
QB-865	800 - 2200	14	33	12	650
QBH-2832-04	1 - 200	35.5	33	28	435
BXMP1001	0.5 - 35	22	32	24	425
BXMP1003	0.5 - 35	22	32	24	425
BXMP1032	500 - 1000	13	32	15	400
BXMP1029	1 - 35	12	31.5	15	400
QBH-8900	800 - 960	22	31.5	15	350
QB-152	0.5 - 35	21.9	31	24	420
QB-166	1 - 35	12.7	31	24	450
QB-101	2 - 70	21.9	31	24	420
BXMP1037	1000 - 2000	19	31	15	450
QB-840	800 - 2200	11	30.5	12	420
BXMP1033	1 - 50	35	30.5	15	435

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Part Numbers	Frequency (MHz)	Gain (dB)	P1dB (dBm)	Supply (Volts)	Current (mA)
BXMP1002	10 - 100	10	30.5	15	320
QB-970	2500 - 3500	31	30.5	15	350
QBH-2818	0.35 - 400	18.5	30	24	245
QBH-2830	5 - 200	34.5	30	24	300
TR3093	10 - 200	11	30	15	330
TM3093	10 - 200	11	30	15	330
BXMP1005	10 - 200	21	30	15	330
TM3110	10 - 250	15.5	30	15	240
TM3098	10 - 300	13.5	30	15	240
BXMP1000	100 - 1000	12	30	15	350

Medium Amplifier Drivers & Gain Blocks

Excellent Linearity, Low Phase Noise, Standard and Configurable Models Available

Designed to support various system requirements, APITech’s drivers and gain blocks are packaged in a variety of configurations designed to meet customer-specific applications.

- 3 Stage Amplifier w/ optional Internal Voltage Regulations
- Class A Linear Amplifiers
- Balanced Output Stage
- Input Surge Protection
- Low Phase Noise Designs, 100% Tested
- Frequency ranges within 1 MHz-6 GHz
- Transistor die-extended operating temperature range, -55 ° C to +125 ° C

