

# 6.0GHz to 12.0GHz Family of Amplifiers



Elite RF's 6.0GHz to 12.0GHz Power Amplifier Family is the newest addition to EliteRF's portfolio of RF amplifiers incorporating advanced, state-of-the-art, GaN on SiC technology. These amplifiers are biased class AB with gain ranging from 30dB to 48dB, works in CW or Pulsed mode, covering from 6.0GHz to 12.0GHz. Available options of up to 200W of saturated power. These amplifiers can be used in narrowband and octave bandwidth applications and are well suited for a variety of applications including EW, commercial and military radar, communications, industrial, scientific, medical, and laboratory use. Like all Elite RF amplifiers, they come with an industry leading warranty.

## FEATURES

- Wide Frequency Range
- High Output Power
- High Gain
- High Reverse Isolation
- Built-in Protection
- Enable/Disable input (ground to disable)

## INDICATOR OPTIONS

- DC Power
- Temperature Fault

## OPTIONS

- (-H) Heatsink
- (-T) TTL Input Trigger
- (-D) Sub D



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MB Series with Heat Sink

AB Series

MB Series



Part Number	Freq Min. MHz	Freq Max. MHz	Psat watts	P1dB watts	Gain dB	Mode	Class A/AB	Voltage Vdc	Size Inches
MB6.0012G333020	6000	12000	2	1	30	CW	AB	20	6.0 x 4.0 x 1.0
MB6.0012G444820	6000	12000	25	10	48	CW	AB	20	6.0 x 4.0 x 1.0
MB6.0012G474820	6000	12000	50	20	48	CW	AB	20	6.0 x 4.0 x 1.0
AB6.0012G3330AC	6000	12000	2	1	30	CW	AB	100-240	19.0 x 15.0 x 3.5
AB6.0012G4448AC	6000	12000	25	10	48	CW	AB	100-240	19.0 x 15.0 x 3.5
AB6.0012G4748AC	6000	12000	50	20	48	CW	AB	100-240	19.0 x 15.0 x 3.5

## ABOUT ELITE RF

Elite RF was founded in 2014 and was built on the legacy of Motorola, Inc., the telecommunications company based in Schaumburg, Illinois. Taking advantage of the company's exit from the communications market, Elite RF acquired the talent who built the Motorola brand that was synonymous with innovation, performance, and quality. Elite RF's designers have close to two hundred years of power amplifier design experience and are at the cutting edge of today's technology with an eye towards the future. Now you can put our experience to work for you.