

# 30MHz to 512MHz Family of Amplifiers



Elite RF's 30MHz to 512MHz Power Amplifier Family is the newest addition to EliteRF's portfolio of RF amplifiers incorporating advanced, state-of-the-art, LDMOS technology. These amplifiers are biased class AB with gain ranging from 40 to 48dB, works in CW or Pulsed mode, covering from 30MHz to 512MHz. Available options of up to 200W of saturated power. These amplifiers can be used in narrowband and decade plus bandwidth applications and are well suited for a variety of applications including EW, commercial and military 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



MB Series



DB Series



AB Series

Part Number	Freq Min. MHz	Freq Max. MHz	Psat watts	P1dB watts	Gain dB	Mode	Class A/AB	Voltage Vdc	Size Inches
MB030512M404028	30	512	10	5	40	CW	AB	28	8.6 x 6.0 x 1.2
MB030512M504850	30	512	100	50	48	CW	AB	50	8.6 x 6.0 x 1.2
MB030512M534850	30	512	200	100	48	CW	AB	50	10.0 x 10.0 x 2.0
AB030512M4040AC	30	512	10	5	40	CW	AB	100-240	19.0 x 15.0 x 3.5
AB030512M5048AC	30	512	100	50	48	CW	AB	100-240	19.0 x 15.0 x 3.5
AB030512M5348AC	30	512	200	100	48	CW	AB	100-240	19.0 x 15.0 x 3.5
DB030512M4040AC	30	512	10	5	40	CW	AB	100-240	19.0 x 15.0 x 3.5
DB030512M5048AC	30	512	100	50	48	CW	AB	100-240	19.0 x 15.0 x 3.5
DB030512M5348AC	30	512	200	100	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.