

500MHz to 2500MHz Family of Amplifiers



Elite RF's 500MHz to 2500MHz 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 40db to 48db, works in CW or Pulsed mode, covering from 500MHz to 2500MHz. Available options of 10W, 20W, 100W, and 200W of saturated power. These amplifiers can be used in narrowband and multi-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
- (-I) Isolator with Forward & Reverse Output



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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
MB.502.5G404028	500	2500	10	5	40	CW	AB	28	7.5 x 4.0 x 1.0
MB.502.5G434032	500	2500	20	10	40	CW	AB	32	7.5 x 4.0 x 1.0
MB.502.5G504850	500	2500	100	50	48	CW	AB	50	7.5 x 4.0 x 1.0
MB.502.5G534850	500	2500	200	100	48	CW	AB	50	8.5 x 6.0 x 1.0
AB.502.5G4040AC	500	2500	10	5	40	CW	AB	100-240	19.0 x 15.0 x 3.5
AB.502.5G4340AC	500	2500	20	10	40	CW	AB	100-240	19.0 x 15.0 x 3.5
AB.502.5G5048AC	500	2500	100	50	48	CW	AB	100-240	19.0 x 15.0 x 3.5
AB.502.5G5348AC	500	2500	200	100	48	CW	AB	100-240	19.0 x 15.0 x 3.5
DB.502.5G4040AC	500	2500	10	5	40	CW	AB	100-240	19.0 x 15.0 x 3.5
DB.502.5G4340AC	500	2500	20	10	40	CW	AB	100-240	19.0 x 15.0 x 3.5
DB.502.5G5048AC	500	2500	100	50	48	CW	AB	100-240	19.0 x 15.0 x 3.5
DB.502.5G5348AC	500	2500	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.

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