

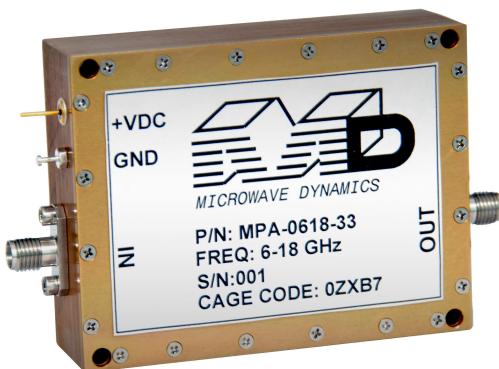


# High Power Amplifiers

## MPA Series

### FEATURES:

- Frequency 0.5 GHz up to 18 GHz
- High power output up to 20 Watts
- High gain 30 dB min; VSWR 2.5:1
- Compact Design 3.00" x 2.125" x .812"
- Optional features: Pulse modulation, Heat Sink and Input limiter



### SPECIFICATIONS:

MD Model Number	Frequency Range	Min. Gain	Typical Noise Figure	Output Power	Supply Req (VDC @Imax)	Technology
MPA00506-33	0.5 - 6 GHz	30 dB	10 dB	+33 dBm	28V @ 0.8A, +12V@.25A	GaN
MPA00518-30	0.5 - 18 GHz	30 dB	10 dB	+30 dBm	28V @ 0.9A, +12V@.25A	GaN
MPA0206-43	2 - 6 GHz	40 dB	10 dB	+43 dBm	28V @ 2.4A, +12V@.25A	GaN
MPA0218-37	2 - 18 GHz	33 dB	10 dB	+37 dBm	24V @ 2.5A, +12V@.25A	GaN
MPA0612-40	6 - 12 GHz	33 dB	10 dB	+40 dBm	24V @ 3.6A	GaN
MPA0618-33	6 - 18 GHz	30 dB	10 dB	+33 dBm	10V @ 1.8A	GaAs
MPA0618-40	6 - 18 GHz	35 dB	10 dB	+40 dBm	20V @ 6.0A, +12V@.65A	GaN
MPA0812-40	8 - 12 GHz	35 dB	10 dB	+40 dBm	20V @ 5.0A, +12V@.25A	GaN
MPA0910-40	9 - 10 GHz	40 dB	10 dB	+40 dBm	28V @ 3.4A, +12V@100mA	GaN
MPA0910-43	9 - 10 GHz	35 dB	10 dB	+43 dBm	28V @ 3.4A, +12V@.25A	GaN
MPA1011-40	10 - 11 GHz	35 dB	10 dB	+40 dBm	28V @ 2A max, +12V@100mA	GaN
MPA1011-43	10 - 11 GHz	35 dB	10 dB	+43 dBm	28V @ 2.5A, +12V@.25A	GaN
MPA1316-45	13 - 16 GHz	35 dB	10 dB	+45 dBm	24V @ 5.4A, +12V@.25A	GaN
MPA1317-40	13 - 17 GHz	35 dB	10 dB	+40 dBm	28V @ 3.4A, +12V@.25A	GaN

### DESCRIPTION:

MPA is the new generation of power amplifiers designed by Microwave Dynamics. The compact rugged design enables these amplifiers to efficiently dissipate the heat with proper heat sink to assure the reliability of the product. The supply voltage is kept minimal to reduce the heat dissipation. Heat sink and fans can be provided (optional).

### OUTLINE DRAWING:

