



# Bench-Top Power Amplifiers

## FEATURES:

- High power output up to 20 Watts
- High gain 30 dB min; VSWR 2.5:1
- Compact Design 6.5" x 6.7" x 2.0"
- Operates +28VDC or +12 VDC or AC Line (120 / 220 V). Cable included.
- Built-In over temperature protection
- Fan Included

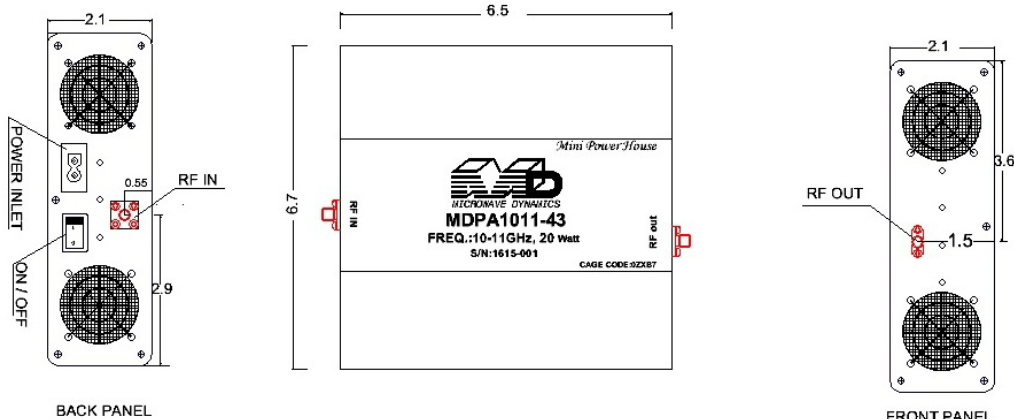


## SPECIFICATIONS:

MD Model Number	Frequency Range	Min. Gain	Typical Noise Figure	Output Power	Supply Req (VDC @Imax)	Technology
MDPA00506-33	0.5 - 6 GHz	30 dB	10 dB	+33 dBm	28V @ 0.8A, +12V@.25A	GaN
MDPA00518-30	0.5 -18 GHz	30 dB	10 dB	+30 dBm	28V @ 0.9A, +12V@.25A	GaN
MDPA0206-43	2 - 6 GHz	40 dB	10 dB	+43 dBm	28V @ 2.4A, +12V@.25A	GaN
MDPA0218-37	2 - 18 GHz	33 dB	10 dB	+37 dBm	24V @ 2.5A, +12V@.25A	GaN
MDPA0612-40	6 - 12 GHz	33 dB	10 dB	+40 dBm	24V @ 3.6A	GaN
MDPA0618-33	6 - 18 GHz	30 dB	10 dB	+33 dBm	10V @ 1.8A	GaAs
MDPA0618-40	6 - 18 GHz	35 dB	10 dB	+40 dBm	20V @ 6.0A, +12V@.65A	GaN
MDPA0812-40	8 - 12 GHz	35 dB	10 dB	+40 dBm	20V @ 5.0A, +12V@.25A	GaN
MDPA0910-40	9 - 10 GHz	40 dB	10 dB	+40 dBm	28V @ 3.4A, +12V@100mA	GaN
MDPA0910-43	9 - 10 GHz	35 dB	10 dB	+43 dBm	28V @ 3.4A, +12V@.25A	GaN
MDPA1011-40	10 - 11 GHz	35 dB	10 dB	+40 dBm	28V @ 2A max, +12V@100mA	GaN
MDPA1011-43	10 - 11 GHz	35 dB	10 dB	+43 dBm	28V @ 2.5A, +12V@.25A	GaN
MDPA1316-45	13 - 16 GHz	35 dB	10 dB	+45 dBm	24V @ 5.4A, +12V@.25A	GaN
MDPA1317-40	13 - 17 GHz	35 dB	10 dB	+40 dBm	28V @ 3.4A, +12V@.25A	GaN

## DESCRIPTION:

The bench-top power amplifier (MDPA) is the newest generation of bench top power amplifiers designed by MD. The compact rugged design enables these amplifiers to efficiently dissipate the heat with internal heat sink and fan to assure the reliability of the product. AC line (120 / 220V) supply voltage or single supply voltage of +28 VDC or +12 VDC.



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