

MTPA 35... 36GHz

## Wideband GaN Amplifiers



### STANDARD MODELS

Model	Frequency Range GHz	peak output power kW	gain variation dB	VSWR	Duty Cycle	Efficiency	pulse width ns
MTPA3536-8000	35 ... 36	8(Pin=0dBm)	≤±1	≤1.5:1	≤0.1%	≥20%	50~100
Model	pulse drop max	rising time ns	falling time ns	PRF MHz	spurious dBc	harmonics dBc	high altitude m
MTPA3536-8000	~5%(detector output voltage)	≤15	≤20	0~1	≤-60	≤-20	≤4000

### STANDARD SPECIFICATIONS

AC input voltage: 208Vac ±10% 60Hz ±5%

connector type: MS3102A22-22P ( Pin A:120V PHA, Pin B:120V PHB,Pin C:120V PHC,Pin D:SAFETY GROUND (neutral))

Random attached connection joint: MS3106A22-22S

Cooling: Air Fan

operating temperature: 0°C ~ 50°C

Dimension W X H X L: ≤48.3 x 98.5 x 140cm      Rack size: 32U

Input Connectors:

RF INPUT: 2.92 (Female)

RF OUTPUT: WR28 flange

Driving INPUT: BNC (Female)

All connectors are placed on the back

Front Panel Display:

A. LCD display: input pulse width, Duty Cycle, Gain, Input Signal Frequency, Output Power, Reflected Power, DC Power Supply

B. Error Indicator: Over Drive Protection, Over Power Protection, Over Temperature Protection, Reflection Protection, Fan Error.

C. Gain Variation and Frequency Variation Button

D. Local Control/Remote Control Button

F. Output Coupling Port: -50±0.5dB, 2.92 (Female)

G. Power On/Off

Power Detection Accuracy: ≤ 0.5dB

LAN/USB Interface

Lead Time: 200 days

Note: The amplifier is 4-way combined. Each amplifier module delivers 2500W approximately.

The screenshot on Boonton power meter shows amplifier module performance.

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