

MTPA 0.05... 6GHz

Wideband GaN Amplifiers



STANDARD MODELS

Model	Frequency Range GHZ	Output Power min / max / typ W	Input Power max dBm	Small Signal Gain min / typ dB	Gain Flatness typ / max dB	Gain Adj max dB	Input VSWR typ / max
MTPA00506-20	0.05 ... 6	10/25/20	0	45/47	±3.0/±3.5	20	1.5/2
Model	Output VSWR typ / max	2nd Harmonic Power @ Pout typ / max dBc	3rd Harmonic Power@ Pout max dBc	Spur @ Pout typ / max dBc	IM3 typ / max dBc	Noise Floor typ / max dBm/MHz	Stability yes / no
MTPA00506-20	NA	-15/-10	-15	-65/-60	NA	-45/-40	Y
Model	VSWR Load	Line Power VA	Dimensions (H, D) 19"-System	Weight typ kg			
MTPA00506-20	3	300	2HU,19"	10			

1 HU = 44.45 mm

STANDARD SPECIFICATIONS

Overdrive Protection: up to +10 dBm for no damage
 Input Impedance: 50 Ohm nominal
 Output Impedance: 50 Ohm nominal
 Noise Figure: 20 dB max.
 Class of Operation: AB-linear

GENERAL

RF Input: SMA-f/N-f; standard on front panel
 RF Output: SMA-f/N-f; standard on front panel
 Mains Supply: <300 VA 200 ... 240 V AC
 Power Meter: via status display
 Elapsed Time Meter: via status display
 Ambient Temperature: 0 ... +45 °C
 Storage Temperature: -20 ... +65 °C

MTPA 0.05... 6GHz

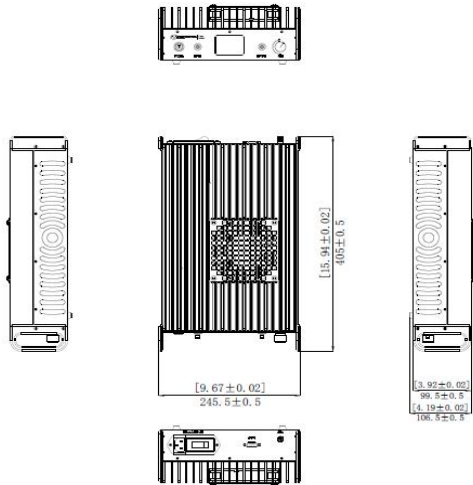
Wideband GaN Amplifiers



Relative Humidity: up to 95% (non-condensing)
Operating Altitude: up to 2000 m above sea level
Vibration and Shock: normal laboratory environment
Cooling: forced air with integral blower
air intake and exhaust at rear

OPTIONS

- A) Forward & Reverse Monitor
- B) External Dual Directional Coupler
- C) IEEE-488.2 GPIB Remote Control
- G) Output isolation
- L) LAN Remote control
- M) 115 V AC / 47 ... 63 Hz
- N) Harmonic Filter
- R) RS-232C Remote Control
- U) USB Remote Control



2HU