

MTPA 26.5... 35GHz

## 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
MTPA2635-15	26.5 ... 35	15/20/18	0	42/46	±5/±6	15	1.5/2
MTPA2635-20	26.5 ... 35	20/24/22	0	43/48	±5/±6	15	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
MTPA2635-15	2/3	-15/-10	-10	-65/-60	NA	-45/-40	Y
MTPA2635-20	2/3	-15/-10	-10	-65/-60	NA	-45/-40	Y
Model	VSWR Load	Line Power VA	Dimensions (H, D) 19"-System	Weight typ kg			
MTPA2635-15	3	250	3HU, 19"	16			
MTPA2635-20	3	350	3HU, 19"	20			

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: 2.92-f; standard on front panel  
 2.92-f; standard on front panel;  
 RF Output: WR28  
 Mains Supply: <350 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

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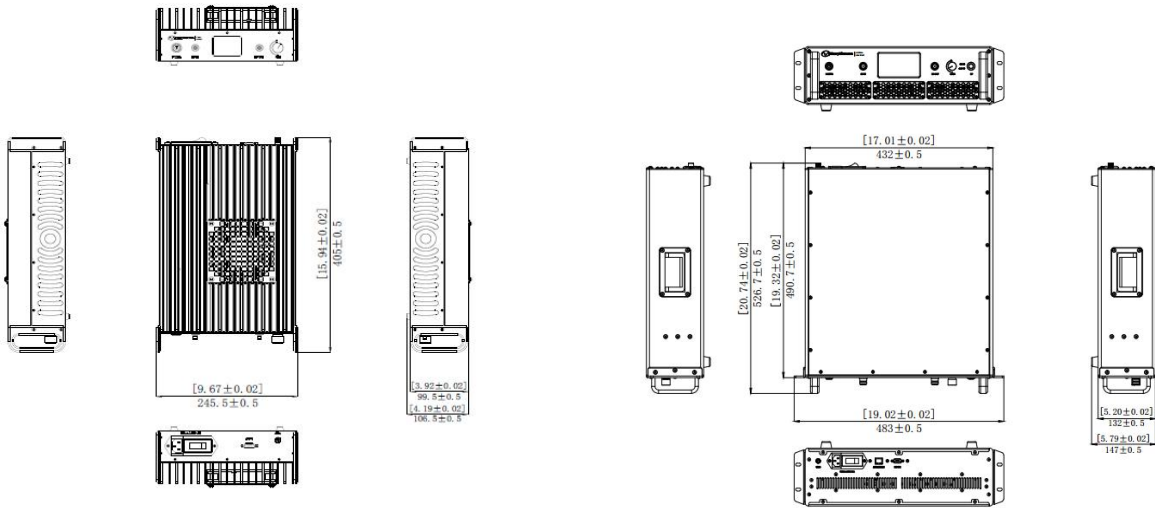
## Wideband GaN Amplifiers



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

3HU

### ACTUAL TESTING DATA