

MTPA 0.8... 2.5GHz

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
MTPA0P82P5-500	0.8... 2.5 GHz	500/540/510	2	60/63	±2.5/±3	25	1.5/2
Model	Output VSWR typ / max	2nd Harmonic Power @ Psat typ / max dBc	3rd Harmonic Power@ Psat max dBc	Spur @ Psat typ / max dBc	IM3 typ / max dBc	Noise Floor typ / max dBm/MHz	Stability yes / no
MTPA0P82P5-500	1.5/2	-20/-15	-15	-60/-57	-22/-19	-23/-20	Y
Model	VSWR Load	Line Power VA	Dimensions (H, D) 23"-System	Weight typ kg			
MTPA0P82P5-500	3	5000	25HU, 23"	220			

1 HU = 44.45 mm

STANDARD SPECIFICATIONS

Overdrive Protection: up to +2dBm for no damage
 Input Impedance: 50 Ohm nominal
 Output Impedance: 50 Ohm nominal
 Noise Figure: /.
 Class of Operation: AB-linear

GENERAL

RF Input: N-f; standard on front panel
 RF Output: DIN-f; standard on front panel
 Mains Supply: <5000 VA 380 V AC
 Power Meter: via status display
 Elapsed Time Meter: via status display
 Ambient Temperature: 15... +30 °C
 Storage Temperature: -20 ... +55 °C

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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
- N) Harmonic Filter
- R) RS-232C Remote Control
- U) USB Remote Control

