

LNA80009

SOLID STATE LOW NOISE AMPLIFIER SYSTEM

FEATURES

Small form factor system
 Class AB linear GaAsFET design
 Instantaneous wide bandwidth
 Suitable for all single channel modulation standards
 Built-in protection circuits
 High reliability and ruggedness
 LEGACY PN: MPA2001



ELECTRICAL SPECIFICATIONS : 50Ω, 25°C

Parameter	Specification	Notes
Operating Frequency Range	1 – 40 GHz	
Power Output CW	20 dBm Min	CW
Power Gain	40 dB Min	
Power Gain Flatness	4.0 dB p-p Max	Constant input power
Input Return Loss	10 dB Min	Relative to 50 Ohm
Harmonics	-20 dBc Typ	At rated Pout
Spurious	-60 dBc Max	Non-harmonics
Noise Figure	10 dB Max	
Operating Voltage	100 – 240 VAC	
Power Consumption	30 Watt Max	At rated output
Input Power Protection	-17 dBm Max	Without damage
Load VSWR Protection	∞ : 1	

ENVIRONMENTAL CHARACTERISTICS

Parameter	Specification	Notes
Operating Ambient Temperature	0 to +50 °C	
Storage Temperature	-40 to +85 °C	
Relative Humidity	up to 95 %	Non Condensing

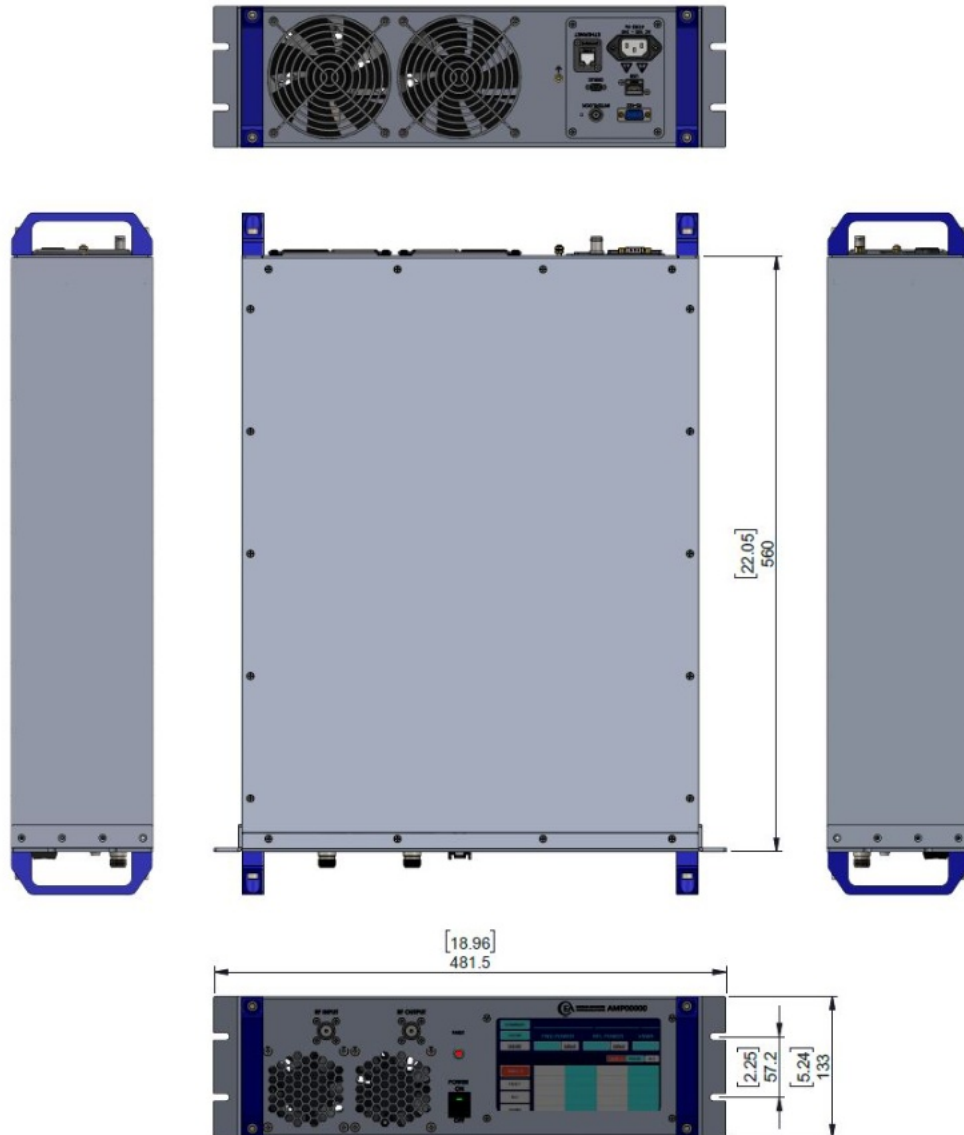
MECHANICAL SPECIFICATIONS

Parameter	Specification	Notes
Dimensions W x H x D (with Option DMC)	430 x 133.3 x 560 mm	3U, excluding handles
Dimensions W x H x D (Benchtop)	210 x 100 x 300 mm	Excluding brackets
	242 x 110 x 384 mm	Including brackets
Weight	(2U/9 kg.) (3U/12kg.)	
RF Connectors In/Out	2.9 mm (K / air type) Female	Front or rear panel
AC Power / Interface Connector	IEC 60320-C14 / 9-Pin D-Sub	Or equivalent
Cooling	Built in Fan Cooling	
OPTIONAL: Digital Monitor & Control (DMC) FWD, REV, VSWR, GAIN, ALC, V & I, TEMP, Optional Safety Interlock (INT)	Ethernet RJ-45 TCP/IP, RS422/485, USB Optional GPIB Interface Open=STBY/Short=RFON	IEEE rear panel BNC-F rear panel

NOTE: Option DMC - LCD Controller option may reduce output power by 0.5 dB typical. Please consult the factory for more information.

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OUTLINE DRAWING
3U-SHOWN WITH OPTIONAL LCD DIGITAL CONTROLLER



OUTLINE DRAWING
2U, Benchtop (No display with DMC)

