



6-18GHz, 20W, 43dB Power Amplifier
MtronPTI P/N: PA2036

FEATURES

Rack mounted system
 Class AB linear GaAs FET design
 Instantaneous wide bandwidth
 Suitable for all modulations standards
 Built-in protection circuits
 High reliability and ruggedness



ELECTRICAL SPECIFICATIONS

Parameter	Specification	Notes
Operating Frequency Range	6.0 - 18.0GHz	
Power Output	20 Watt Min	Saturated CW
Power Gain	43 dB Min	
Power Gain Flatness	4.0 dB p-p Max	
Input Return Loss	10 dB Min	Relative to 50 Ohm
2-Tone Intermodulation (IMD)	>30 dBc Typ	33dBm/Tone, $\Delta = 1\text{MHz}$
Harmonics 2 nd /3rd	>15 / >20 dBc Typ	At rated Pout
Non Harmonics Spurious	60 dBc Min	Non Harmonics
Operating Voltage	100 - 240 VAC	
Power Consumption	300 Watt Max	At rated Pout
Max Input Power	+5dBm	Without damage
Load VSWR Protection	5 : 1	

ENVIRONMENTAL CHARACTERISTICS

Parameter	Specification	Notes
Operating Ambient Temperature	0 to +50°C	
Storage Temperature	-20 to +85 °C	
Relative Humidity	5 to 95 %	Non Condensing

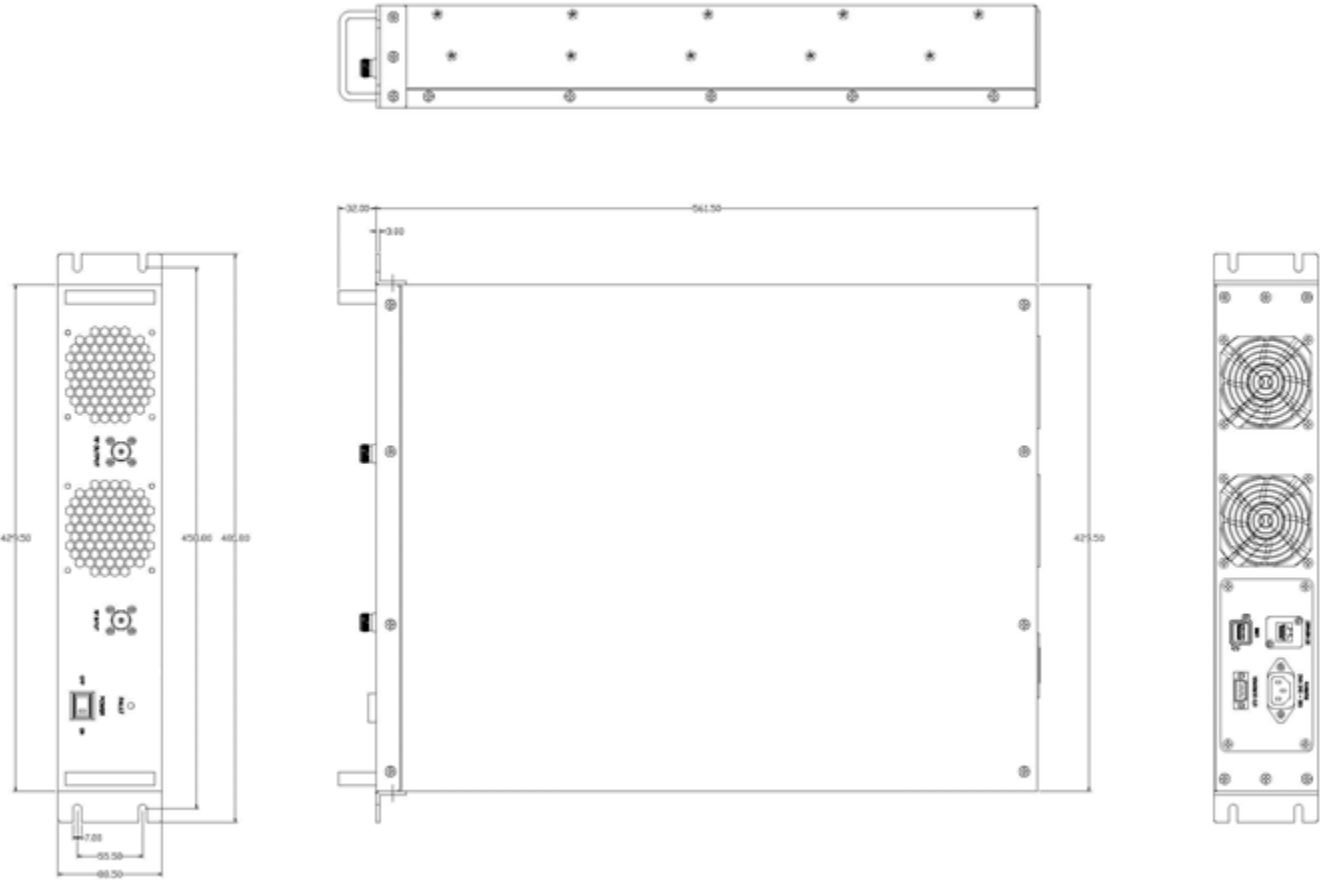
MECHANICAL SPECIFICATIONS

Parameter	Specification	Notes
Dimensions W x H x D	430 x 88 x 562 mm	2U
Weight	9 kg.	
RF Connectors In/Out	SMA Female	
AC Power / Interface Connector	IEC 60320-C14 / 9-Pin D-Sub	
Cooling	Built in Fan Cooling	
OPTIONAL: Digital Monitor & Control FWD, REV, VSWR, GAIN, ALC, V & I, TEMP	Ethernet RJ-45 TCP/IP, RS422/485, GPIB Interface	Remote Bluetooth application



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OUTLINE DRAWING



Data Sheet Revision Table:

Date	Rev.	Author.	Details of Revision
01-29-16	0	MM	Initial Draft.