AMP4033-1LC
SOLID STATE HIGH POWER AMPLIFIER

FEATURES
Rack-mountable chassis
Linear GaN design
Designed for high power C-Band applications
Instantaneous wide bandwidth
Suitable for all modulations standards
Built-in control, monitoring, protection and interfacing circuits
High reliability and ruggedness

ELECTRICAL SPECIFICATIONS: 50 Ω, 25°C

Parameter	Specification	Notes
Operating Frequency Range	6.8 - 7.2 GHz	
Power Output @ Psat	600 Watt Min	CW
Power Gain	58 dB Nom	Pin = 0dBm for Nom Pout
Power Gain Flatness	3.0 dB p-p Max	Constant input power
Input Return Loss	-10 dB Max	Relative to 50 Ohm
2-Tone Intermodulation (IMD)	-30 dBc Typ	48dBm/Tone, Δ = 1MHz
Noise Figure	15 dB Max	At Max Gain
Harmonics	-30 dBc Typ	At rated output power
Spurious	-60 dBc Max	Non harmonics
Operating Voltage	180 - 240 VAC	(Opt: 3 phase)
Power Consumption	4 kW Max	At rated Pout
Input Power Protection	+5 dBm Max	<10 Sec without damage
Load VSWR Protection	5 : 1 Max	<1 minute at rated Pout

ENVIRONMENTAL CHARACTERISTICS

Parameter	Specification	Notes
Operating Ambient Temperature	0 to +50 °C	
Storage Temperature	-40 to +85 °C	
Relative Humidity	5 to 95 %	Non-condensing

MECHANICAL SPECIFICATIONS

Parameter	Specification	Notes
Dimensions W x H x D	221 x 481 x800 mm	5U - excluding handles
Weight	37 kg.	
RF Connectors In / Out	Type-N Female / SC or 7/16 DIN	Front or rear panel
AC Power / Interface Connector	MS Circular / 9-Pin D-Sub	
Cooling (Quiet Cool design)	60dBa-Typ- Air-Liquid Cooled	Built in pump (closed loop)
OPTIONAL: Monitor & Control: FWD, REV, VSWR, GAIN, ALC, V & I, TEMP	Ethernet RJ-45 TCP/IP, RS422/485, USB Optional GPIB Interface	

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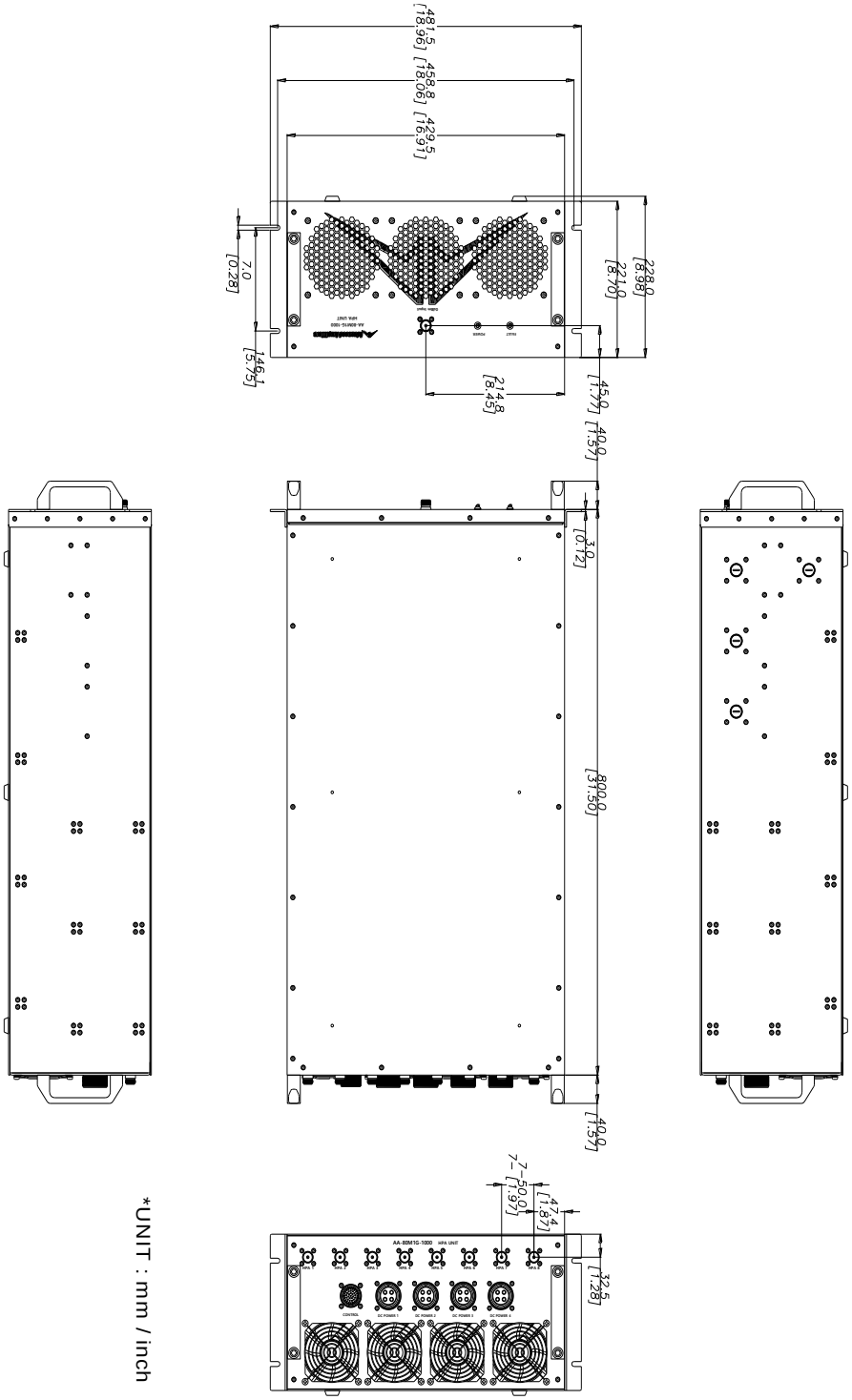
OUTLINE DRAWING



*UNIT : mm / inch