AMP4033
SOLID STATE HIGH POWER AMPLIFIER

FEATURES

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

ELECTRICAL SPECIFICATIONS

Parameter	Specification	Notes
Operating Frequency Range	6.0 - 7.5 GHz	
Power Output @ Psat	600 Watt Min	CW
Power Gain	58 dB Nom	
Power Gain Flatness	3.0 dB p-p Max	Constant input power
Input Return Loss	10 dB Min	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
Non Harmonics Spurious	>60 dBc	Non harmonics
Operating Voltage	180 - 240 VAC	2-Phase (Opt: 3 phase)
Power Consumption	4 kW Max	At rated Pout
Max Input Power	+5 dBm	Without damage
Load VSWR Protection	5 : 1	At rated output

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	7U Rack Mount Chassis	See outline drawing
Weight	TBD	
RF Connectors In / Out	Type-N Female / 7/16 DIN	
AC Power / Interface Connector	MS Circular / 9-Pin D-Sub	
Cooling	Built in Fan Cooling	Variable speed
OPTION: Monitor & Control: FWD, REV, VSWR, GAIN, ALC, V & I, TEMP	1 Ethernet RJ-45 circular connector TCP/IP 1 RS422/485 D-dub 9S port for redundancy	Remote Bluetooth application

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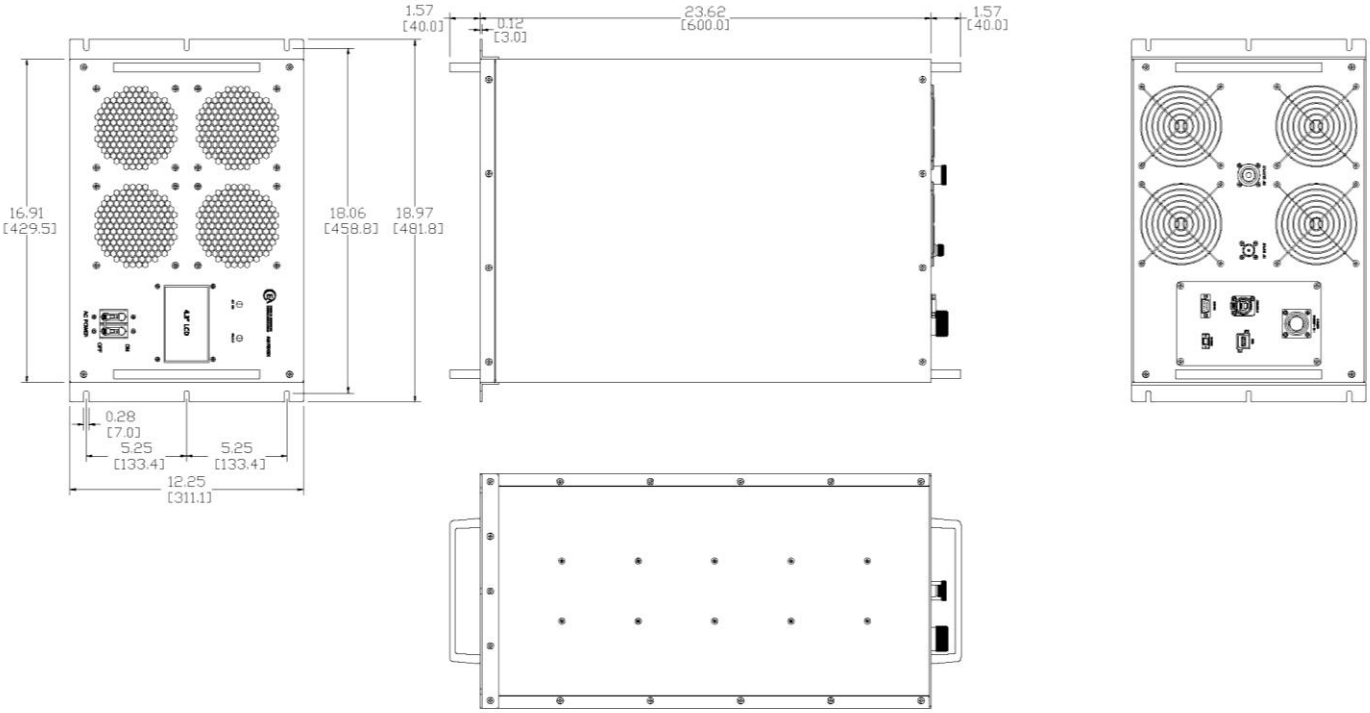
OUTLINE DRAWING