



AMP6043-200 & AMP6043-400 SOLID STATE HIGH POWER AMPLIFIER

FEATURES

- Class AB linear GaN design
- Instantaneous C-Band band coverage
- Rack mounted system
- Designed for high power SATCOM, Lab, Comm. and EW applications
- Suitable for all single channel modulation standards
- Built-in protection circuits
- High reliability and ruggedness for mobile truck & shelter applications



ELECTRICAL SPECIFICATIONS: 50Ω, 25°C

Parameter	Specification		Notes
	AMP6043-200	AMP6043-400	
Model	AMP6043-200	AMP6043-400	
Operating Frequency Range	5.7 - 5.9 GHz		
Power Output @ Psat	200 Watt Min	400 Watt Min	CW
Power Gain	53 dB Min	56 dB Min	Pin = 0 dBm for Nom Pout
Power Gain Flatness	3 dB p-p Max		Constant input power
Input / Output Return Loss	-10 dB Max		Relative to 50 Ohm
2-Tone Intermodulation (IMD) @ -30 dBc	43 dBm/Tone	46 dBm/Tone	Typ @ Δ = 1MHz
Harmonics	<-30 dBc Typ		At rated output
Spurious	-60 dBc Max		Non-harmonic
Operating Voltage	180 - 240 VAC		
Power Consumption	1200 Watt Max	2400 Watt Max	At rated output
Input Power Protection	+5 dBm Max		<10 Sec without damage
Load VSWR Protection	10 : 1 Max		<1 minute at rated Pout

ENVIRONMENTAL CHARACTERISTICS

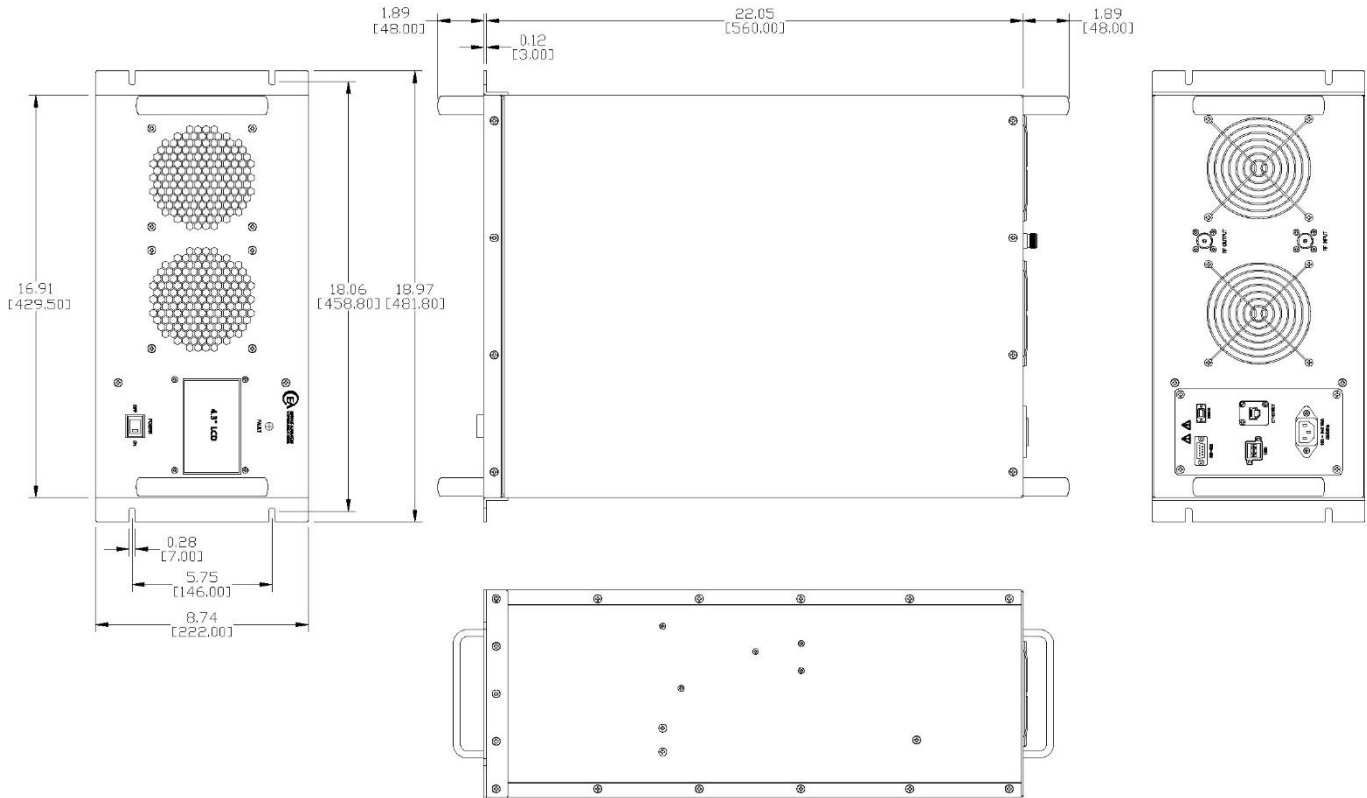
Parameter	Specification	Notes
Operating Ambient Temperature	0 to +50°C	
Storage Temperature	-40 to +85 °C	
Relative Humidity	5 to 95 %	Non-condensing

MECHANICAL SPECIFICATIONS

Parameter	Specification		Notes
Dimensions W x H x D	430 x 222 x 560 mm	430 x 266 x 600 mm	5U - excluding handles
Weight	35 Kg.	40 Kg.	
RF Connectors In/Out	Type-N Female		Front or rear panel
AC Power	IEC 60320-C14 / 9-Pin D-Sub		Or equivalent
Cooling	Built in Fan Cooling		Variable speed
STANDARD: Digital Monitor & Control FWD, REV, VSWR, GAIN, ALC, V & I, TEMP	Ethernet RJ-45 TCP/IP, RS422/485, USB Optional GPIB Interface		Optional Remote Bluetooth application

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OUTLINE DRAWING - 5U



AMP6043-200 & AMP6043-400 SOLID STATE HIGH POWER AMPLIFIER

OUTLINE DRAWING - 6U

