



# AMP6018 SOLID STATE HIGH POWER AMPLIFIER

## FEATURES

- Class AB linear GaN hybrid design
- Rack mount chassis
- Designed for X-Band medium power general comm applications
- Suitable for all single channel modulation standards
- Universal voltage AC power supply
- High reliability and ruggedness



## ELECTRICAL SPECIFICATIONS: 50Ω, 25°C

Parameter	Specification	Notes
Operating Frequency Range	11.95 GHz ±250 MHz	
Power Output @ P1dB GCP	20 Watt Min	CW
Power Gain	45 dB Min	
Power Gain Flatness	1.0 dB p-p Max	
Input Return Loss	-12 dB Max	Relative to 50 Ohm
2-Tone Intermodulation (IMD)	<-30 dBc Typ	33dBm/Tone, Δ = 1MHz
Harmonics	<-30 dBc Typ	At rated Pout
Spurious	-60 dBc Max	Non-harmonics
Noise Figure	10 dB Max	
Operating Voltage	100 - 240 VAC	50/60Hz
Power Consumption	300 Watt 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

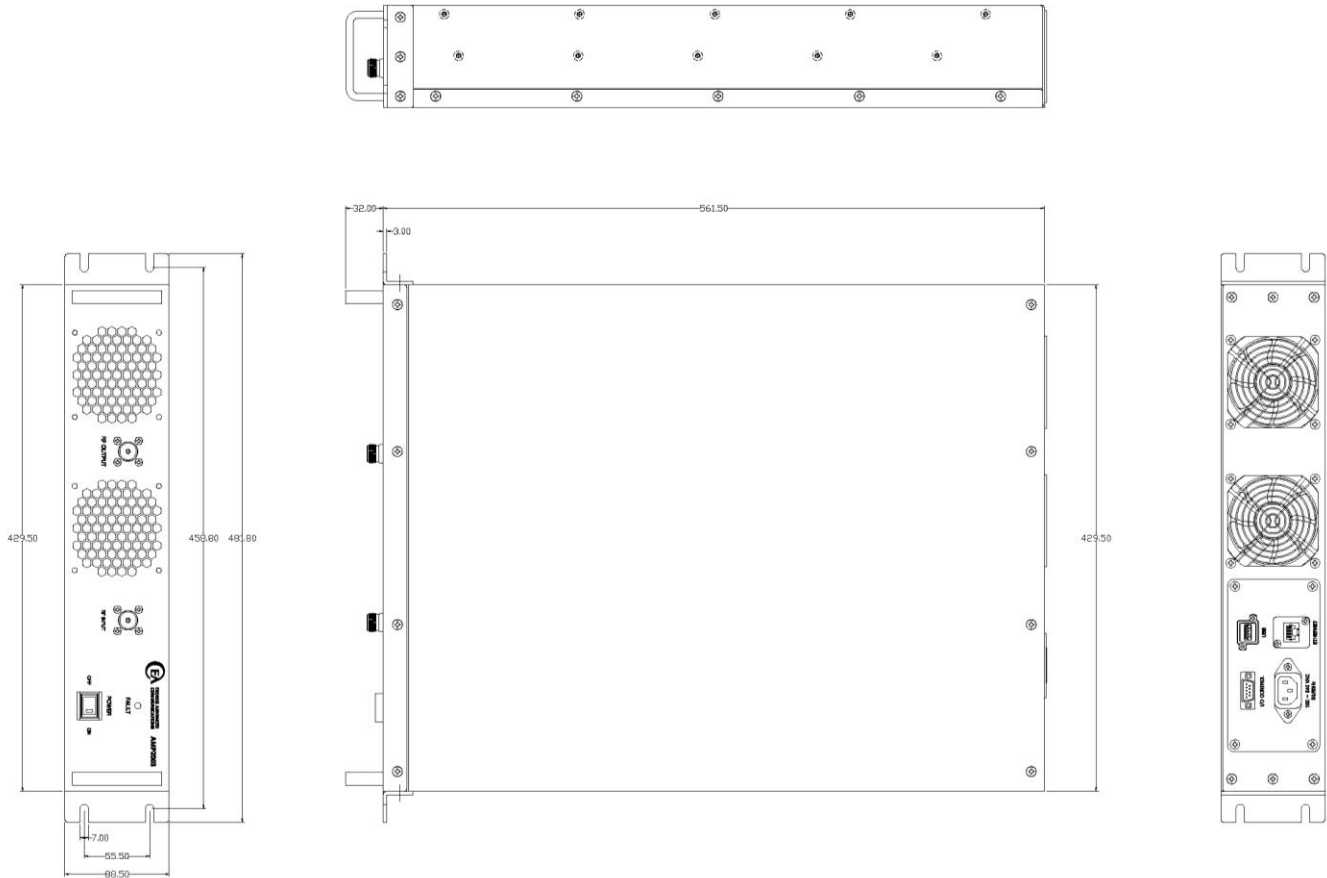
Parameter	Specification	Notes
Operating Ambient Temperature	0 to +50 °C	
Storage Temperature	-40 to +85 °C	
Relative Humidity	5 to 95 %	Non-condensing

## MECHANICAL SPECIFICATIONS

Parameter	Specification	Notes
Dimensions W x H x D	430 x 89 x 560 mm (17 x 3.5 x 22 inch)	2U, excluding handles
Weight	9 kg.	
RF Connectors In/Out	Type-N Female	
AC Power / Interface Connector	IEC 60320-C14 / 9-Pin D-Sub	
Cooling	Built in Fan Cooling	
<b>OPTIONAL:</b> 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

# AMP6018 SOLID STATE HIGH POWER AMPLIFIER

## OUTLINE DRAWING



# AMP6018 SOLID STATE HIGH POWER AMPLIFIER

## OUTLINE DRAWING WITH DIGITAL CONTROL (LCD)

