



# AMP4037 SUITE SOLID STATE HIGH POWER AMPLIFIERS

## FEATURES

- High frequency, high power 3-Bands
- 3 inputs and 3 outputs
- 3 separate On/Off switches, 3 manual gain adjust dials
- Designed for broadband EMI/RFI, Lab, Communication applications
- Suitable for all single channel modulations standards
- Rack mount chassis
- Built-in protection circuits
- High reliability and ruggedness



## ELECTRICAL SPECIFICATIONS

MODEL		Band A	Band B	Band C
PARAMETERS	LIMIT	SPECIFICATIONS		
Frequency Range	Min	18 - 26.5 GHz	26.5 - 31.5 GHz	31.5 - 40 GHz
Saturated Output Power CW	Min	10 Watt	8 Watt	8 Watt
Output Power @ P1dB CW	Typ	8 Watt	6 - 8 Watt	7 Watt
Small Signal Gain	Min	40 dB		
Gain Adjustment Range	Min	15 dB		
Gain Flatness	Max	6 dB p-p		
Input Return Loss	Max	-10 dB		
Noise Figure	Min	10 dB		
Harmonics	Max	-20 dBc		
Non-harmonics Spurious	Max	-60dBc		
Operating Voltage	Nom	100 - 240 VAC		
AC Power Consumption	Max	600 Watt		
Max Input Power	Max	0 dBm <10 Sec without damage		
Load VSWR Protection	Max	5 : 1 <1 Minute @ rated Pout		

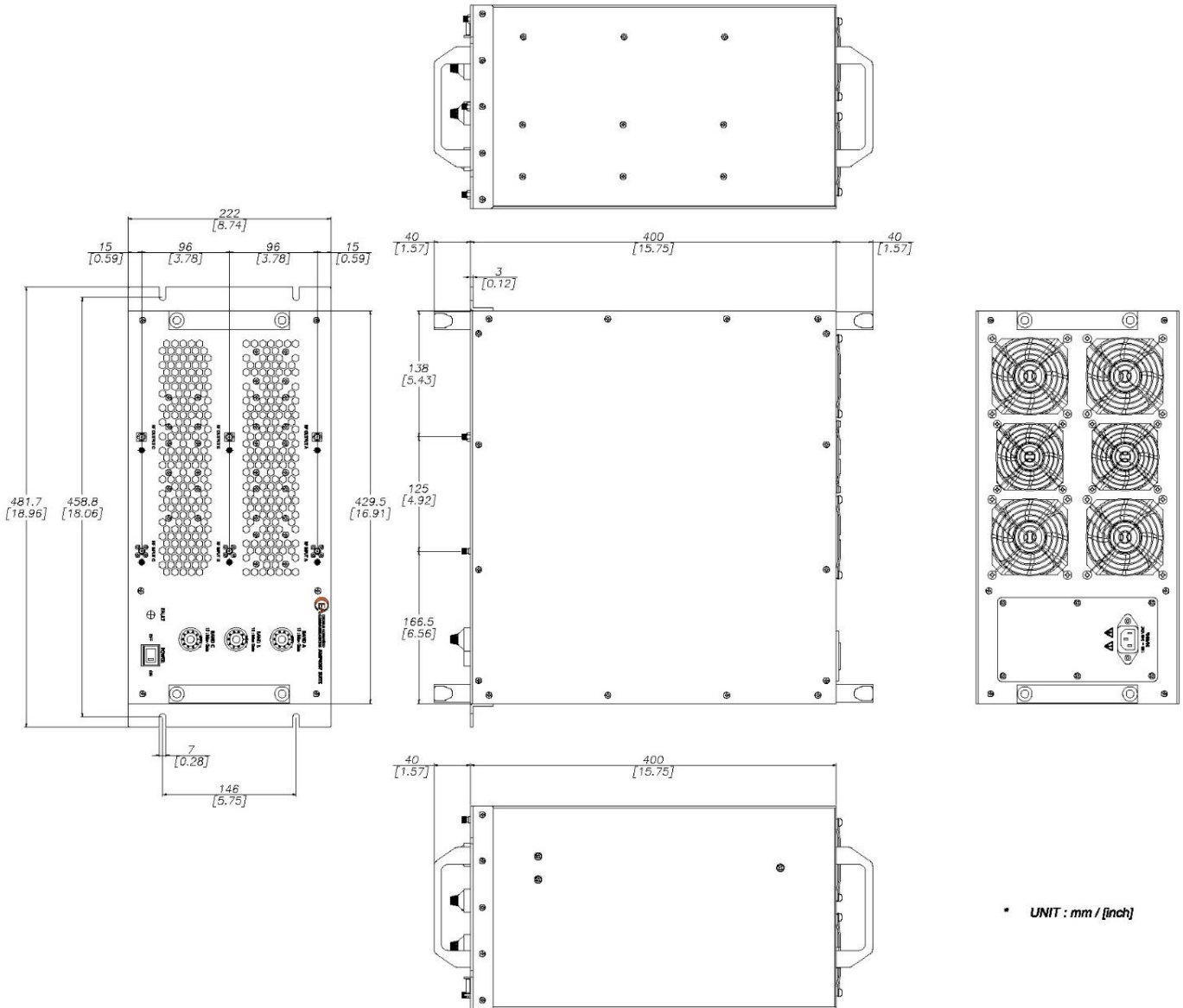
## ENVIRONMENTAL CHARACTERISTICS

PARAMETERS	SPECIFICATIONS
Operating Ambient Temperature	0 to +50 °C
Storage Temperature	-20 to +75 °C
Relative Humidity	5 to 95 % Non-condensing

## MECHANICAL SPECIFICATIONS

PARAMETERS	SPECIFICATIONS		
Dimensions W x H x D	482 x 222 x 400 mm (Short 5U Rack)		
Weight	26.5 kg.		
RF Connectors - Standard Configuration	Front Panel - 2.92 mm K female		
<b>Optional:</b> Connectors In - Front /Out - Rear	2.92 mm KF / WG42	2.92 mm KF / WG34	2.92 mm KF / WR28
AC Power / Interface Connector	IEC 60320-C14 / 9-Pin D-Sub		
Cooling	Built in Fan Cooling		

## OUTLINE DRAWING - STANDARD CONFIGURATION



## OUTLINE DRAWING - SHOWN WITH OPTION WAVEGUIDE OUTPUTS

