



# AMP2115-LC SOLID STATE HIGH POWER AMPLIFIER

## FEATURES

- Rack mounted system
- Class A/AB linear LDMOS design
- Instantaneous ultra-wide bandwidth
- Designed for EMI/RFI, lab, and general communication applications
- Suitable for all single channel modulation standards
- Built-in protection circuits
- High reliability and ruggedness



## ELECTRICAL SPECIFICATIONS: 50Ω, 25°

Parameter	Specification	Notes
Operating Frequency Range	80 - 1000 MHz	
Power Output @ Psat	1300 Watt Min	1500 Watt Typ CW
Power Output @P1dB GCP	700 Watt Min	1000 Watt Typ CW
Power Gain	61 dB Min	
Power Gain Flatness	4.0 dB p-p Max	
Input Return Loss	-10 dB Max	Relative to 50 Ohm
2-Tone Intermodulation (IMD)	-20 dBc Typ	50dBm/Tone, Δ = 1MHz
Harmonics	2 <sup>nd</sup>	<-30 dBc Typ
	3 <sup>rd</sup>	<-20 dBc Typ
Spurious	-60 dBc Max	Non-harmonics
Operating Voltage	208 VAC / 3-phase	50 - 60 Hz
Power Consumption	8 KW Max	At rated Pout
Input Power Protection	+8 dBm Max	<10 Sec without damage
Load VSWR Protection	6: 1	Auto shutdown @ 6:1 VSWR

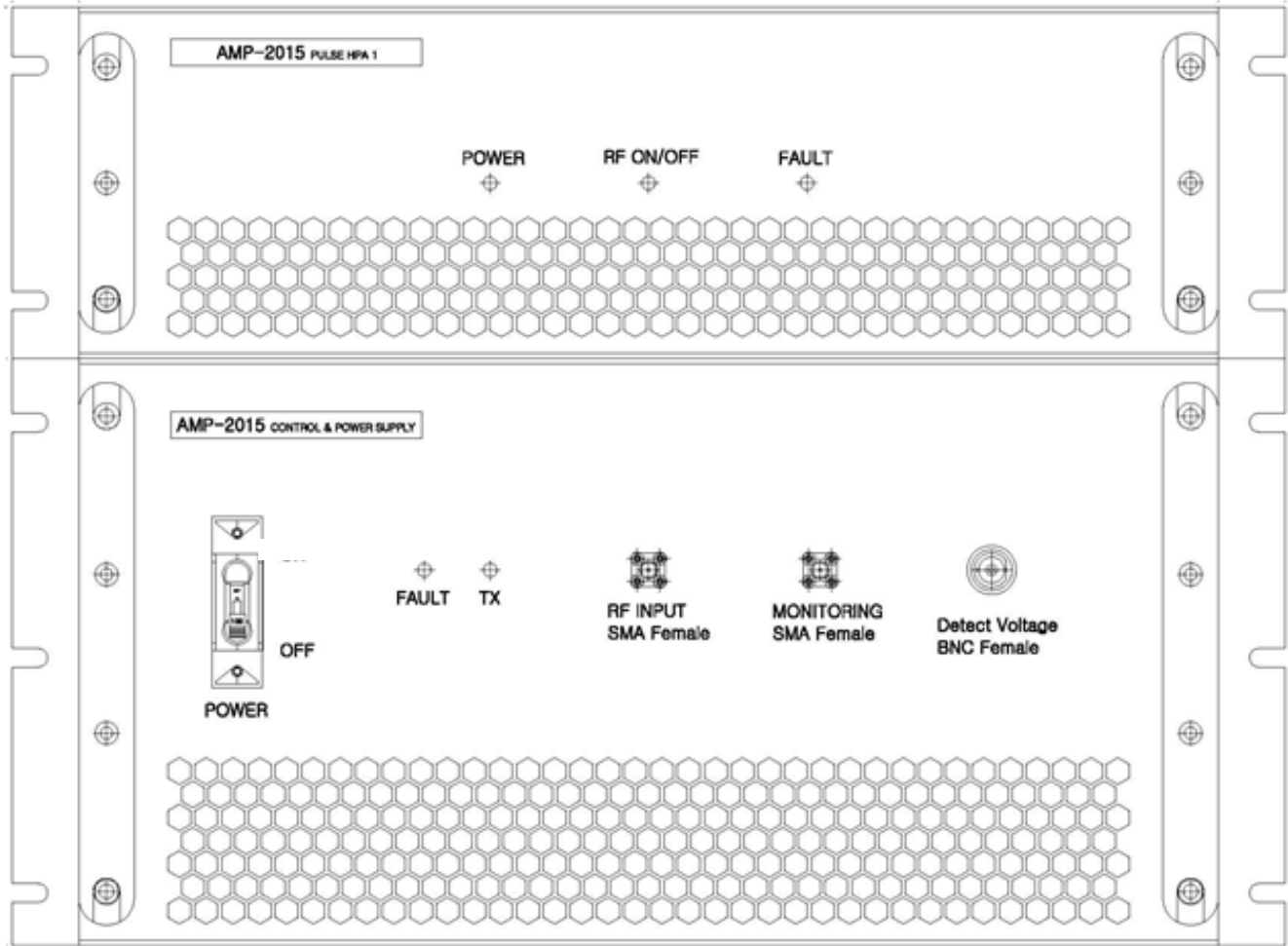
## MECHANICAL SPECIFICATIONS

Parameter	Specification	Notes
Dimensions W x H x D	480mm x 800mm x 354mm	8U - Excluding handles (5U+3U)
Weight	60 Kg. Max	
RF Connectors In/Out	Type-N Female / 7/16 DIN	
AC Power / Interface	MS / 9-Pin D-Sub	Or equivalent
Cooling: Built in Quiet-Cool	60 dBa Typ	Close circuit liquid cooling
<b>EMI SERIES:</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

## 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

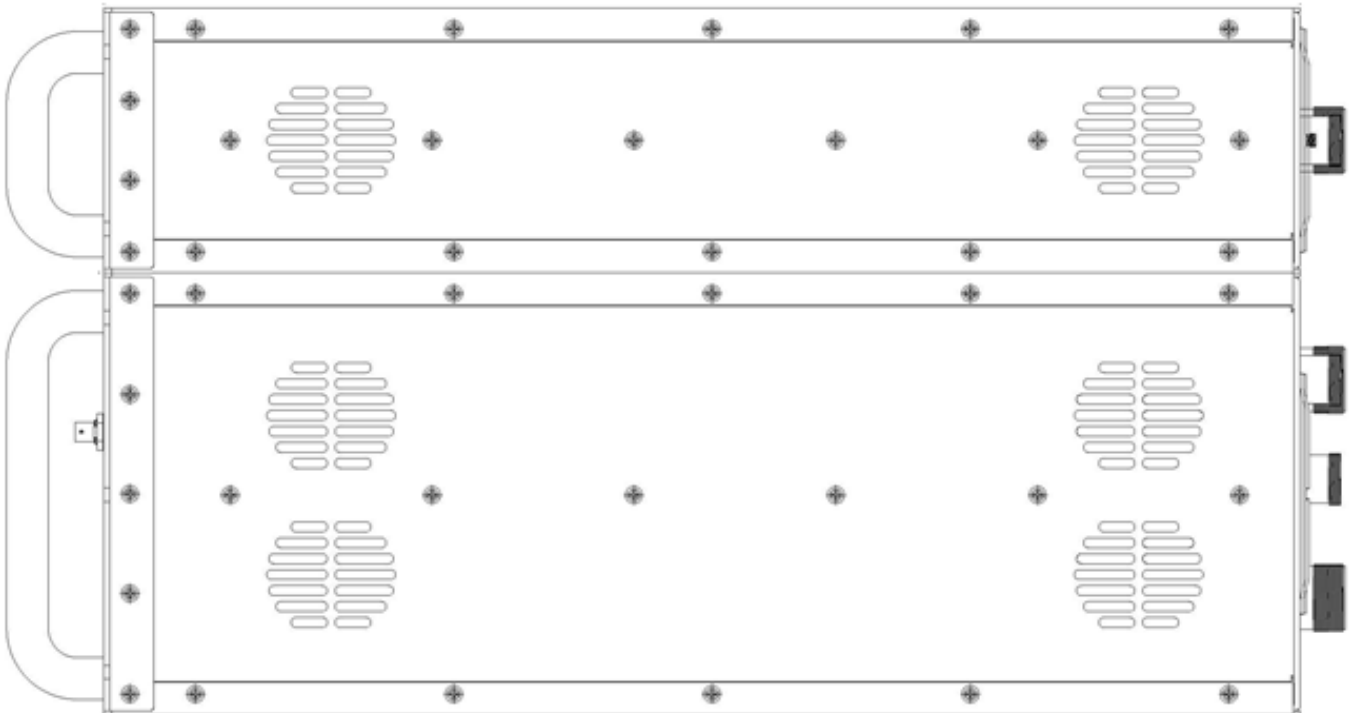
## OUTLINE DRAWING - CONTROL & COMBINER UNIT





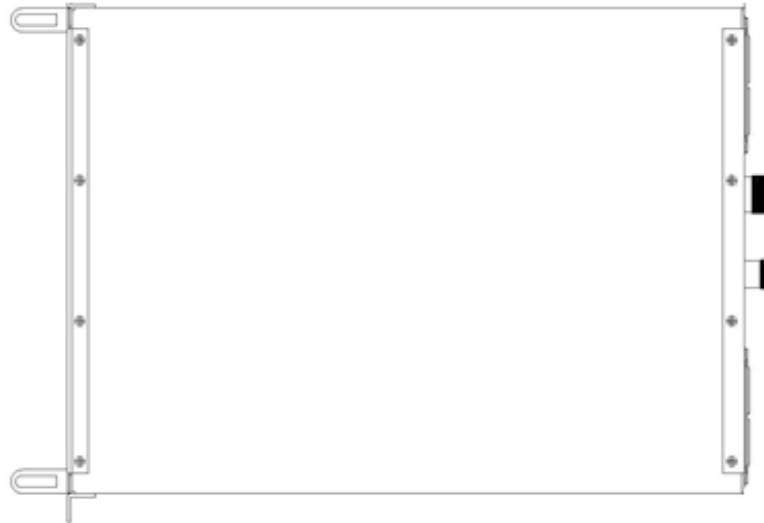
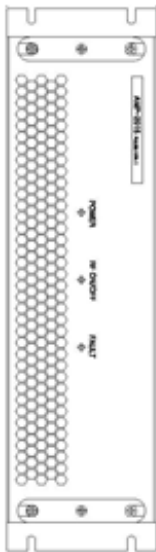
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OUTLINE DRAWING - CONTROL UNIT



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### HPA UNIT

