



# AMP2052P-2 SOLID STATE HIGH POWER AMPLIFIER

## FEATURES

- Rack mounted system
- Class AB linear LDMOS design
- Instantaneous VHF ultra-wide bandwidth
- Suitable for high power long pulse standards
- Built-in protection circuits
- High reliability and ruggedness



## ELECTRICAL SPECIFICATIONS: 50Ω, 25°C

Parameter		Specification			Notes	
Operating Frequency Range		120 - 610 MHz				
Power Output Peak Power		1000 Watt Min			Peak pulse	
Power Gain		60 dB Min			Pin = 0dBm	
Power Gain Flatness		3 dB p-p				
Pulse Characteristics		Width	Duty	Drop	Rise / Fall	
		180 - 500 nS	5 - 15 %	0.5 dB Max	30 Sec Typ	
Input Return Loss		-10 dB Max			Relative to 50 Ohm	
Harmonics		2 <sup>nd</sup>		-22 dBc Max		
		3 <sup>rd</sup>		-22 dBc Typ		
Output Noise - Blanked		20 dB Max			Above thermal noise	
Blanking Delay		<1.0 μS				
Noise Figure		12 dB Max				
Spurious		-60 dBc Max			Non-harmonics	
Operating Voltage		187 - 265 VAC Single phase			55 - 65 Hz	
Power Consumption		2 KW Avg Max				
Input Power Protection		+8 dBm Max			<10 Sec without damage	
Load VSWR Protection		5 : 1 Max			Auto shutdown	
Other Protections		PW, DS, Temp, PS				

## ENVIRONMENTAL CHARACTERISTICS

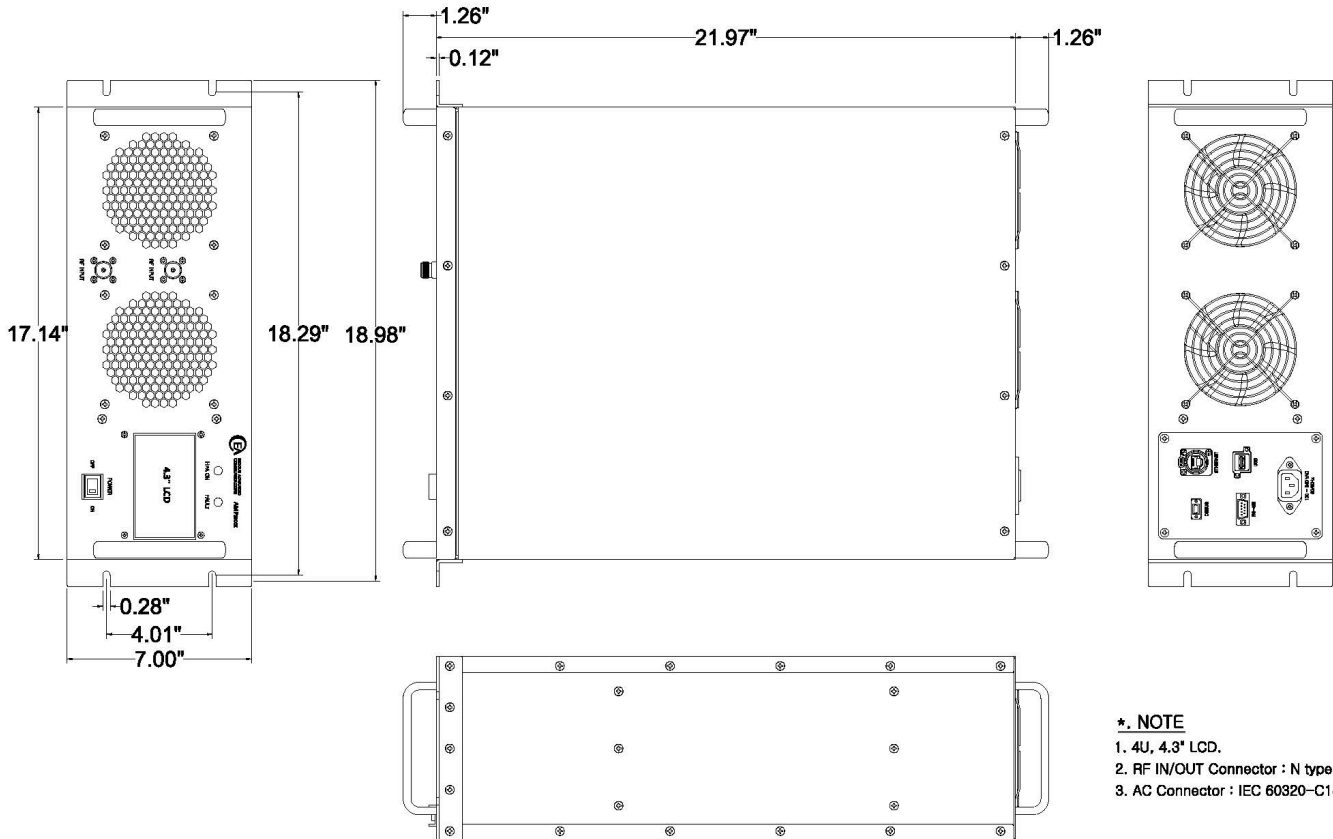
Parameter	Specification	Notes
Operating Ambient Temperature	0 to +50 °C	
Storage Temperature	-40 to +85 °C	
Relative Humidity	5 to 95 %	Non-condensing
Altitude	5000 ft Max	

## MECHANICAL SPECIFICATIONS

Parameter	Specification	Notes
Dimensions	7 x 19 x 22 inch	4U excluding handles
Weight	40 Kg.	
RF Connectors In/Out / Sample	Type-N (F)	Front or rear panel
Blanking Connectors	BNC (F)	
AC Power	L620P (M)	250V, 20A
Cooling	Built in Fan Cooling	Variable speed
<b>INCLUDED:</b> Digital Monitor & Control FWD, REV, VSWR, GAIN, ALC, V & I, TEMP	Ethernet RJ-45 TCP/IP, RS422/485, USB Optional GPIB Interface	Local LCD or a Remote Bluetooth application
Sample Port	-60 dB	

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## OUTLINE DRAWING



**\*. NOTE**

1. 4U, 4.3" LCD.
2. RF IN/OUT Connector : N type Female
3. AC Connector : IEC 60320-C14