



AMP4072A SOLID STATE HIGH POWER AMPLIFIER

FEATURES

Class AB linear GaAsFET design
 Instantaneous wide bandwidth
 Designed for EMI/RFI, lab, and general communication applications
 Suitable for all single channel modulation standards
 Rack mounted system
 Local LCD & remote flexible interfaces
 High reliability and ruggedness



ELECTRICAL SPECIFICATIONS

Parameter	Specification	Notes
Operating Frequency Range	26.5 - 40.0 GHz	
Power Output	10 Watt Min	Saturated CW
Power output at P1dB GCP	10 Watt Typ	
Power Gain	40 dB Min	
Power Gain Flatness	6.0 dB p-p Max	
Input Return Loss	-10 dB Max	Relative to 50 Ohm
Noise Figure	12 dB Max	
Harmonics	-20 dBc Typ	At rated Pout
Spurious	-60 dBc Max	Non-harmonics
Operating Voltage	100 - 240 VAC	
Power Consumption	360 Watt Max	At rated Pout
Input Power Protection	+3 dBm Max	<10 Seconds without damage
Load VSWR Protection	$\infty : 1$	<1 Minute at rated Pout

ENVIRONMENTAL CHARACTERISTICS

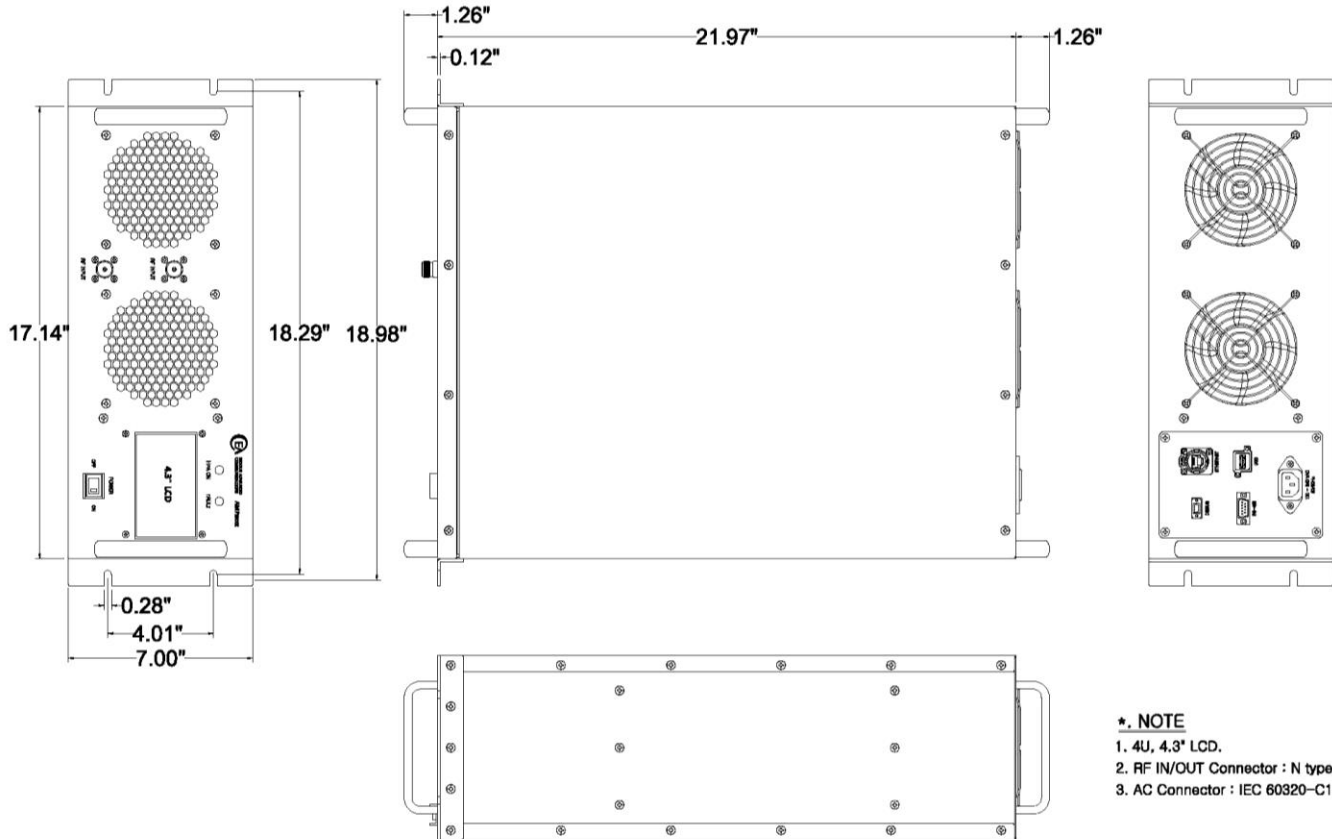
Parameter	Specification	Notes
Operating Ambient Temperature	0 to +50 °C	
Storage Temperature	-40 to +85 °C	
Relative Humidity	5 to 95 %	Non-condensing

MECHANICAL SPECIFICATIONS

Parameter	Specification	Notes
Dimensions W x H x D	19 x 7 x 22 inch (483 x 178 x 580 mm)	4U
Weight	30 Kg.	
RF Connectors In/Out	2.9 mm (K / air type) Female	
AC Power / Interface Connector	IEC 60320-C14 / 9-Pin D-Sub	
Cooling	Built in Fan Cooling	
OPTIONAL: Digital Monitor & Control FWD, REV, VSWR, GAIN, ALC, V & I, TEMP	Ethernet RJ-45 TCP/IP, RS422/485 Optional GPIB Interface	

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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