

AA-LNP118G-30

SOLID STATE LOW NOISE AMPLIFIER



FEATURES

Designed for EMI/RFI, lab, CW/Pulse and all communication applications.
 Small form factor, Bench Top system
 Class A linear advanced technology design
 Suitable for all single channel modulation standards
 Instantaneous ultra-broad bandwidth
 Built-in protection circuits
 Universal voltage AC power supply
 High efficiency, with unprecedented reliability and ruggedness



ELECTRICAL SPECIFICATIONS: 50Ω, 25°C

Parameter	Specification	Notes
Operating Frequency Range	1.0 - 18.0 GHz	
Power Output Psat	1 Watt Min	CW or Pulse
Power Output P1dB	0.5 Watt Min	
Small Signal Gain	30 dB Min	0dBm or less for rated Pout
Power Gain Flatness	±2.0 dB Max	Constant input power
Input Return Loss	-10 dB Max	
Noise Figure	10 dB Max / 6dB Typ	
Harmonics	-20 dBc Typ	At rated Pout
Spurious	-60 dBc Max	Non-harmonics
Operating Voltage	100 - 240 VAC	47 - 63Hz
Power Consumption	50 Watt Max	At rated Pout
Input Power Protection	+5 dBm Max	Without damage
Load VSWR Protection	5 : 1	<1 minute at rated Pout

ENVIRONMENTAL CHARACTERISTICS¹

Parameter	Specification	Notes
Operating Ambient Temperature	0 to +50 °C	
Storage Temperature	-40 to +70 °C	
Relative Humidity	up to 95 %	Non-condensing
Altitude	3000 meters	
Shock & Vibration	Normal transport	

MECHANICAL SPECIFICATIONS

Parameter	Specification	Notes
Dimensions W x H x D	210 x 100 x 300 mm	Excluding brackets
Benchtop	242 x 110 x 384 mm	Including brackets
Weight	6 kg.	
RF Connectors In/Out	N Female	Front panel standard
AC Power / Interface Connector	IEC 60320-C14 / 9-Pin D-Sub	Or equivalent
Cooling	Built in Fan Cooling	

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BENCH TOP CHASSIS

