

AA-LNP4050G-24

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	40 - 50 GHz	
Power Output @ Psat	+24 dBm Min	CW
Linear Gain	26 dB Typ	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	
Harmonics	-20 dBc Max	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	+8 dBm Max	Without damage
Load VSWR Protection	5 : 1 Max	<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	2.4 mm Female	Front panel standard
AC Power / Interface Connector	IEC 60320-C14 / 9-Pin D-Sub	Or equivalent
Cooling	Built in Fan Cooling	

AA-LNP4050G-24 SOLID STATE LOW NOISE AMPLIFIER



BENCH TOP CHASSIS

