

High Performance Wideband Low-Noise Amplifier
covering 66 to 960 MHz.

DESCRIPTION

- Wide frequency range: 66 MHz to 960 MHz.
- Can be used from 30 MHz to 1300 MHz with slightly reduced performance.
- 19 - 22 dB gain (frequency dependent, see curve).
- Also available with nom. gain of 18 dB, 15 dB, 12 dB or 9 dB (@ 66-520 MHz).
Please see ordering designations.
- Very low noise figure ensures best possible S/N ratio on weak RF signals.
- Excellent dynamic range ensures handling of strong RF signals with very low level of IM and harmonic distortion.
- Miniature wideband LNA suitable for:
 - Preamplifier in receiver systems to ensure low system noise figure.
 - Wideband low-noise gain block in conjunction with e.g. narrow-band preselectors, duplex filters, power dividers or other RF signal distribution systems.
 - Buffer amplifier to compensate for high cable loss.
 - Preamplifier for measuring instruments.
- Low input and output VSWR ensures excellent termination of connected units.
- Low power consumption.
- Built-in voltage regulator ensures wide supply voltage range.
- DC supply voltage on solder terminal.
- Low weight.
- Wide temperature range.
- Sturdy milled aluminium box.
- Coated with black vinyl to prevent corrosion.
- Available with N-connectors on input and output.



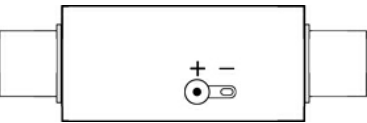
ORDERING

Type	Product No.	Description
PRO-LNA-66-960-N XS	210001716	GAIN: 22 dB
PRO-LNA-66-960-N-18 dB XS	210002329	GAIN: 18 dB
PRO-LNA-66-960-N-15 dB XS	210002330	GAIN: 15 dB
PRO-LNA-66-960-N-12 dB XS	210002331	GAIN: 12 dB
PRO-LNA-66-960-N-9 dB XS	210002328	GAIN: 9 dB

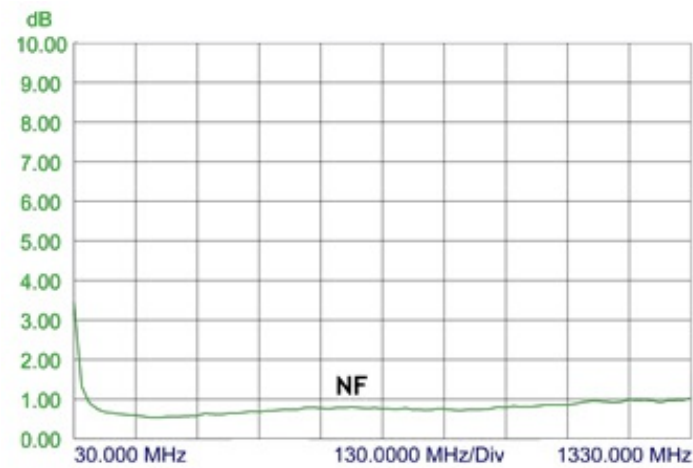
SPECIFICATIONS

Electrical	
Model	PRO-LNA-66-960-N... XS
Frequency	66 - 960 MHz
Amp. Gain	22 dB \pm 1 dB @ 66-520 MHz 19 dB \pm 1 dB @ 960 MHz
Max. Output Power @ 1 dB Compression (P1dB)	17 dBm
Noise Figure	< 1.3 dB, typ. \leq 1.0 dB
Output 2. Order Intercept point (OIP2)	> +40 dBm
Output 3. Order Intercept point (OIP3)	> +30 dBm
Impedance	50 Ω
Input VSWR	Max. 1.5:1 (Output loaded with 50 ohm)
Output VSWR	Max. 1.5:1 (Input loaded with 50 ohm)
Max. Input Power (dBm)	20 dBm
Isolation	> 23 dB
Power Supply	8 - 25 VDC
Current Consumption	Typ. 75 mA
Mechanical	
Connection(s)	N(f)
Dimensions	91 x 50 x 28 mm / 3.6 x 1.9 x 1.1 in.
Weight	0.15 kg / 0.33 lb.
Environmental	
Operating Temperature Range	-30°C to +60°C
Ingress Protection	IP64

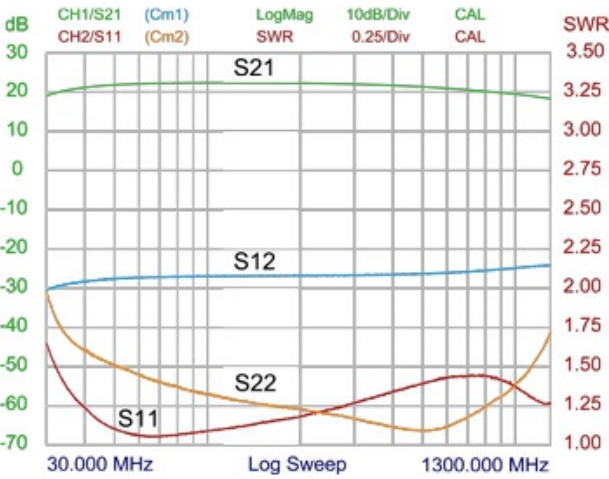
POWER SUPPLY CONNECTION



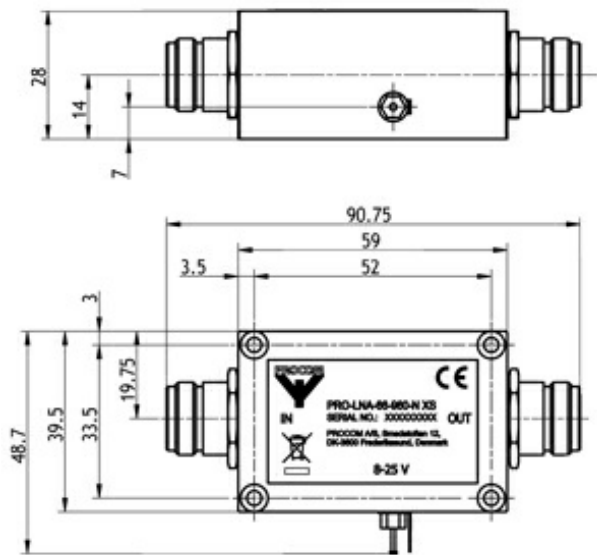
TYPICAL NOISE FIGURE



TYPICAL GAIN AND VSWR CURVES



MOUNTING DETAILS



EU DECLARATION OF CONFORMITY

Hereby Amphenol Procom declare that the product type PRO-LNA-66-960-N... XS is in compliance with EU Directive 2014/53/EU.
The full text of the EU Declaration of Conformity is available at:

http://amphenolprocom.com/images/shop/catalog/pdf-for-catalogues/Declaration-of-Conformity-PRO-LNA_66-960-XS.pdf

