



Blue Tops RF Modules > Amplifiers > Low Noise Audio Amplifier LNAA

**Features:**

- Fixed Gain from 30 to 60 dB
- Low Output Z
- 50 ohm or High-Z input
- +15 VDC and -15 VDC (Required)

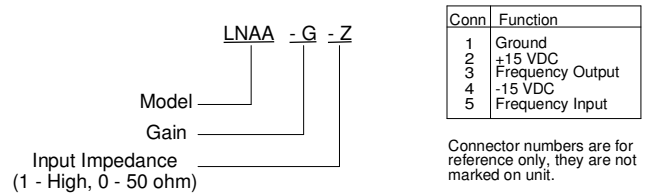
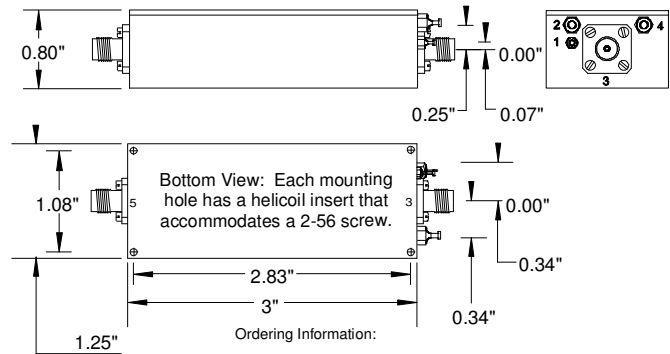
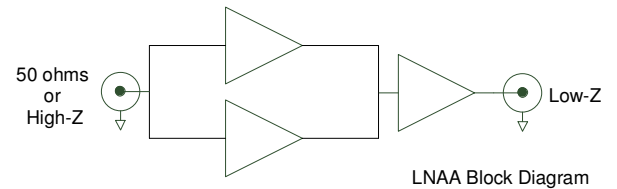
**Applications:**

- Low Phase Noise Measurements
- <1nV/root-Hz measurements

The LNAA is a low noise, low frequency amplifier with a customer-specified gain from 30 to 60 dB. The LNAA is designed to serve as a preamplifier for phase noise measurement systems where very low flicker and white noise is required and it is equally useful in many applications where noise is a critical parameter. Custom connector sex allows for direct connection with other Blue Tops, saving the cost of a cable.



Typical Specifications:	
Bandwidth	10 Hz to 1 MHz
Input Impedance (Specify)	50 ohms or High-Z
Gain Flatness	± 1 dB
Voltage Noise	<1 nvolt per root/Hz
Output Impedance	Low-Z
Fixed Gain	From 30 to 60 dB
Supply Voltage	+15 VDC/-15 VDC
Current, Max	<100 mA
Dimensions	3x 1.25 x 0.8"
Connectors	
Power	Feed-thru Capacitor
Ground	Turret Terminal
RF Input / Output	Female SMA
<b>CUSTOM OPTIONS</b>	
<i>Please specify when ordering</i>	
<i>Optional Output Signal Level</i>	
<i>Your Custom Requirements</i>	



Ordering Information:  
LNAA-G-Z, where G is the desired gain in dB (between 30 and 60) and Z is 1 for High or 0 for 50 Ohms. Bandwidth will be reduced for gains above 32 dB.