



Blue Tops RF Modules > Amplifiers > Low Noise Broadband Amplifier LNBA

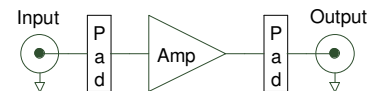
Features:

- Characterized Phase Noise
- Frequency to 4 GHz
- Plastic SMT and TO-8 Amps
- Integral Attenuators for Flexibility

Applications:

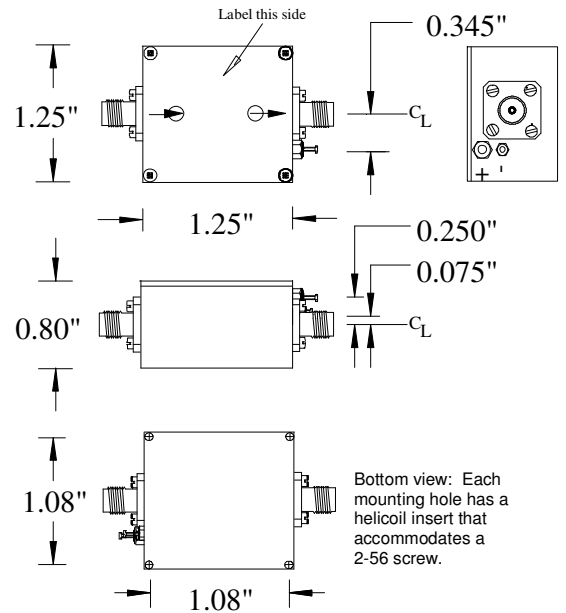
- Low Phase Noise Amplification
- Broadband Amplification

The LNBA is a broadband amplifier module with characterized phase noise performance featuring an amplifier and input/output attenuators integrated into a single package. A wide selection of amplifiers and customized input/output attenuators provide flexibility in setting gain and input/output levels. For convenience, our most popular amplifiers are offered as standard options or an alternative 4-lead Micro-X, SOIC-8 or TO-8 amp may be specified by the user. Phase noise is verified at 5 MHz or 100 MHz unless otherwise specified. Custom connector sex allows for direct connection with other Blue Tops, saving the cost of a cable.

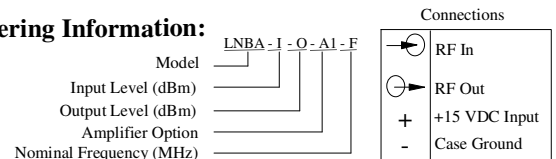


LNBA Block Diagram

Typical Specifications:	
Frequency Range	5 MHz to 4 GHz
Gain (dB)	Up to 18 dB
Phase Noise (Floor)	-170 to <-174 dBc
VSWR	<2:1
Output Power	Up to +26dBm
Input/Output Impedance	50 ohms
Supply Voltage	+15 VDC
Current, Max	60 to 205 mA
Dimensions	1.25 x 1.25 x 0.8"
Connectors	
Power	Feed-thru Capacitor
Ground	Turret Terminal
RF Input / Output	Female SMA
CUSTOM OPTIONS	
<i>Please specify when ordering</i>	
<i>Optional Output Signal Level</i>	
<i>Your Custom Requirements</i>	



Ordering Information:



See Amplifier Option Table

Note: Consult factory for specific Amplifier Option, Input/Output levels and phase noise characteristics.