AMP’s ALN1S24X low noise amplifier (LNA) is designed for use on 2.4 GHz receivers. When placed in-line between the antenna and receiver, the LNA provides 14 dB of signal gain to the receiver.

The ALN1S24X low noise amplifier is a compact, yet rugged LNA designed to IP67 for good environmental sealing. If the ALN1S24X LNA does not meet your exact specification, contact us for a custom solution.

**Specifications**

**Electrical Characteristics**
- Minimum Frequency: 2400 MHz
- Maximum Frequency: 2500 MHz
- Noise Figure (Typical): 1.2 dB
- Gain (Typical): 14 dB
- P1dB (Typical): +15 dBm
- Input VSWR: <1.5:1
- Output VSWR: <1.5:1
- DC Voltage (Nominal): 5 Vdc
- DC Current (Typical): 40 mA
- Input Power (Max): +15 dBm

**Mechanical Characteristics**
- Dimensions: 1.25" x 1.00" x 0.50"
- Material: CNC Machined T6061-T6 Aluminum
- Finish: Clear Iridite
- Weight: <1 oz.
- Connectors: SMA Female

**Environmental**
- Temperature: -20°C to +50°C
- Seal Rating: IP67