

# ALN1S24X 2.4 GHz ISM Low Noise Amplifier



## ALN1S24X Low Noise Amplifier

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

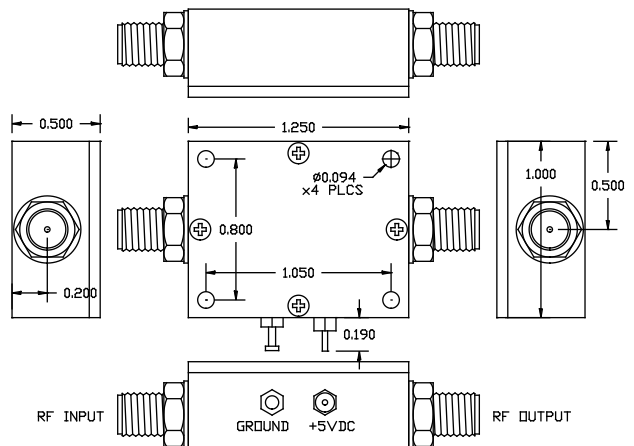
Minimum Frequency:	2400 MHz
Maximum Frequency:	2500 MHz
Noise Figure (Typical):	1.2 dB
Gain (Typical):	14 dB
P1dB (Typical):	+15 dBm
Input VSWR:	<1.5:1
Output VSWR:	<1.5:1
DC Voltage (Nominal):	5 Vdc
DC Current (Typical):	40 mA
Input Power (Max):	+15 dBm

### 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:	-20C to +50C
Seal Rating:	IP67



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