

# ALN1S43X 433 MHz ISM Low Noise Amplifier



## ALN1S43X Low Noise Amplifier

AMP's ALN1S43X low noise amplifier (LNA) is designed for use on 433 MHz ISM receivers. When placed in-line between the antenna and receiver, the LNA provides 20.5 dB of signal gain to the receiver.

The ALN1S43X low noise amplifier is a compact, yet rugged LNA designed to IP67 for good environmental sealing. If the ALN1S43X LNA does not meet your exact specification, contact us for a custom solution.

## Specifications

### Electrical Characteristics

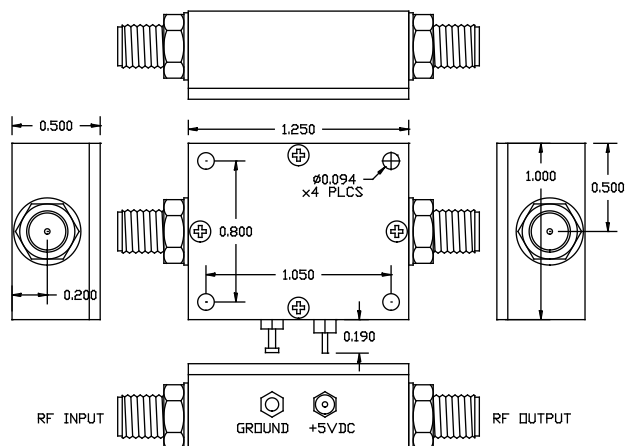
|                         |         |
|-------------------------|---------|
| Minimum Frequency:      | 433 MHz |
| Maximum Frequency:      | 435 MHz |
| Noise Figure (Typical): | 0.7 dB  |
| Gain (Typical):         | 20.5 dB |
| P1dB (Typical):         | +19 dBm |
| Input VSWR:             | <1.5:1  |
| Output VSWR:            | <1.5:1  |
| DC Voltage (Nominal):   | 5 Vdc   |
| DC Current (Typical):   | 30 mA   |
| Input Power (Max):      | +20 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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