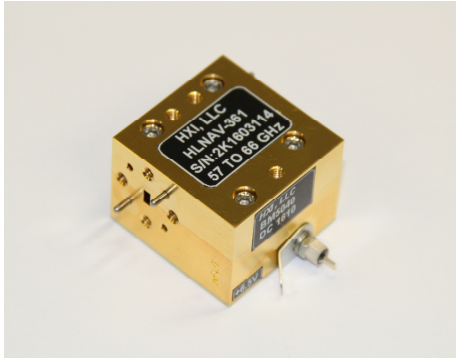


## Model HLNNAV-361 57 to 66 GHz Low Noise Amplifier

### APPLICATIONS



- Point-to-Point Radios
- Radar Transmitters
- WiGig Development & Test Equipment

The HLNNAV-361 Low Noise Amplifier covers the frequency range from 57 to 66 GHz. MMIC technology is employed for high reliability and repeatability. The amplifier package provides WR-15 waveguide interfaces in an in-line configuration using the standard UG-385/U flange. The amplifier can be used in receivers for communication and radar systems and also for amplification in test equipment. The LNA contains a voltage regulator and bias sequencing circuitry allowing the use of a single bias to power the amplifier.

### TECHNICAL SPECIFICATIONS

Parameter	Specification
Frequency Range	57.0 to 66.0 GHz
Noise Figure	5.2 dB typical
Small Signal Gain	27 dB typical
P1dB	+12 dBm minimum, +14 dBm typical
Input Return Loss	7 dB typical
Output Return Loss	13 dB typical
Maximum Input Power	-5 dBm without damage
DC Bias	+6 VDC @ 300 mA typical
RF Interfaces	WR-15 waveguide, UG-385/U flanges
Size	1.31" L X 1.34" W x 0.97" H
Surface Finish	Gold Plate

12 Lancaster County Road, Harvard, Massachusetts 01451 Tel: (978) 772-7774 FAX: (978) 772-7775

Visit us on the web at [www.hxi.com](http://www.hxi.com)