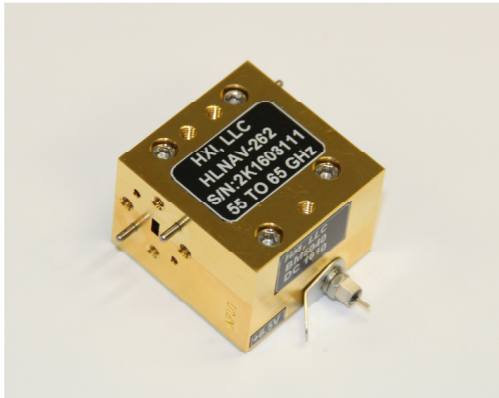


Model HLNAV-262 55 to 65 GHz Low Noise Amplifier

APPLICATIONS



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

The HLNAV-262 Low Noise Amplifier covers the frequency range from 55 to 65 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	55.0 to 65.0 GHz
Noise Figure	4.8 dB typical
Small Signal Gain	15 dB minimum, 17 dB typical
P1dB	+10 dBm minimum
Input Return Loss	7 dB typical
Output Return Loss	9 dB typical
Maximum Input Power	0 dBm without damage
DC Bias	+6 VDC @ 175 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

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