

89 - 97 GHz Low Noise Amplifier

Product Overview

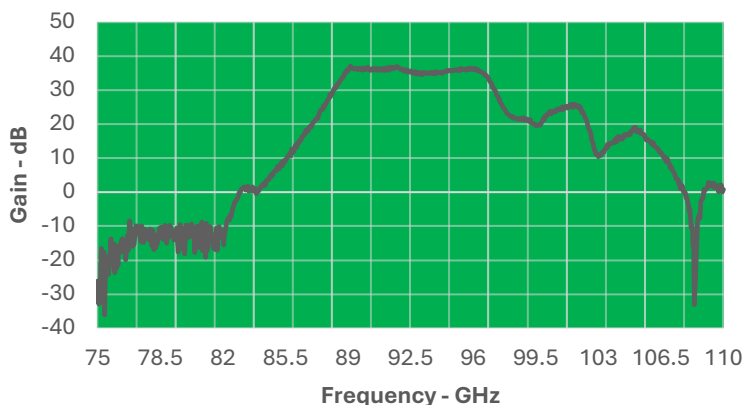
Celtonn's WB-LNA-86 and WB-LNA-94 are banded W-Band low noise amplifier modules with WR10 waveguide terminals. The high frequency operation combined with high gain and low noise figure makes it ideal for communication and radar systems.



Performance Overview WB-LNA-94

Spec	Min	Typ	Max	Unit
Frequency	89		97	GHz
Noise Figure		3.5		dBm
Input Return loss		10		dB
Output Return Loss		12		dB
P1dB		14		dBm
Gain		35		dB
Voltage		5	7	V
Current		400		mA

WB-LNA-94 Gain Plot



Features and Benefits

- WR10 Waveguide Interface
- Frequency Response 89-97GHz
- Low Noise Figure 3.5dB
- Psat +16dBm

Applications

- Aerospace and defence
- Test and measurement
- Broadband communications, Space to space, Air to air and Ground to Air.

Block Diagram

