



GENERAL DESCRIPTION

The LNB series provides a versatile range of low noise block down converters for Ku and K band. This series features industry leading noise figure, low noise phase locked integrated LO, and optional hermetic sealing. These LNBs are designed to operate in harsh airborne environments as well as terrestrial terminals. They are also available with multiple switched bands in a single LNB.



LNB SERIES FEATURES

- State of the art noise figure
- Vibration tolerant
- Low phase noise
- Low spurious performance

LNB SERIES OPTIONS

- Multiple frequency ranges in a single LNB.
- Optional hermetic sealing
- 10 MHz or 50 MHz reference

APPLICATIONS

- Satellite communications
- Airborne and ground-based wireless internet connectivity

GENERAL SPECIFICATIONS

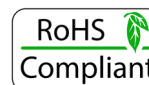
	Ku Band	K Band
Input Frequency (MHz)	10500-12500	17500-20000
Output Frequency(MHz)	950-1950	950-1950
Noise Figure (dB)	1.5 Max	
Gain (dB)	65 ± 5	
In Band Spurious	<-90 dBm @ no input signal	
Stability	Unconditionally stable for all input loads.	

LO PHASE NOISE (dBc / Hz)

Offset	TYP (dBc/Hz)
100 Hz	-80
1 KHz	-90
10 KHz	-95
100 KHz	-95
1 MHz	-115

Final product specifications will vary upon customer's parameters

See more at
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