



# Pro

**Single High-Band Circular 40mm LNB (LO10.75 GHz)**

**IDLB-SINR43-H1075-OPN**

**Item: 5425**



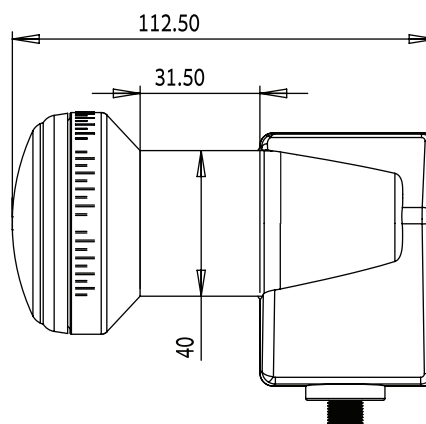
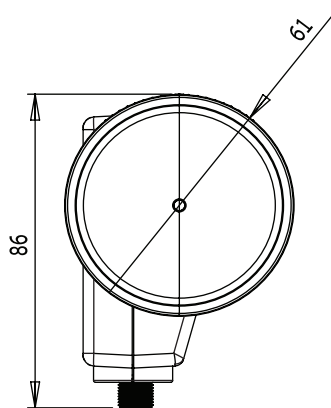
Specifically designed for the European DTH markets, this LNB provides optimized reception capabilities for receiving circular polarized signal on the high band. It is factory set for easy connectivity with any LO 10.75 preset set-top box, fully supports high definition transmissions and provides excellent noise figure performance. It enables the reception of signal from one satellite and its distribution to a single tuner set-top box, it is manufactured to the highest industry quality standards and is designed to meet strict specifications. This LNB is an ideal solution for the satellite broadcast reception across Europe.

#### **Main Features:**

- LO frequency 10.75 MHz, high frequency stability
- HDTV-DVBS2 compliant
- Low Noise figure, low phase noise figure
- Low Power consumption
- High Cross-Pole performance

## Technical data

Input frequency range	11.7 GHz ~ 12.75 GHz
Output frequency range	950 MHz ~ 2000 MHz
LO frequency	10.75 GHz
LO temperature drift @ 25 °C	±3.0 MHz max.
LO Initial accuracy @ 25 °C	±1.0 MHz max.
Noise figure	0.7 dB typ. (1 dB max.)
Polarization	circular
LO phase noise @ 1 kHz	-65 dBc/Hz min.
LO phase noise @ 10 kHz	-80 dBc/Hz min.
LO phase noise @ 100 kHz	-90 dBc/Hz min.
Conversion gain	55 dB ~ 65 dB
Gain ripple (over 27 MHz bandwidth)	±0.75 dB
Image rejection	40 dB min.
1 dB compression point (@ output)	0.0 dBm min.
Cross polarization isolation	20 dB min.
Polarization selection - LHCP	16.0 V ~ 20.0 V
Polarization selection - RHCP	11.0 V ~ 14.0 V
Output VSWR	2.5 : 1
In band spurious level	-60 dBm max.
Current consumption	110 mA max.
Operating temperature	-30 °C ~ +60 °C
Output impedance	75 Ω
Output connector type	F-Type
Power supply	11 V ~ 20 V
Dish F/D ratio	0.6
Weight	115 g



\*Product image and the design reflected may change and are not legally binding in any way.

For purpose of brevity, some product descriptions in this sheet remain at platform level and may not be referred to as detailed datasheets of the products. Inverto Digital Labs reserves the right to amend, omit or add products, product-lines, and / or features without notice.

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