

HOME Pro

Quad Universal 40mm PLL LNB

IDLP-QDL413-HMPRO-OPN

Item: 6542

Specifically designed for the European DTH markets this LNB provides optimized reception capabilities and is designed to address the need to support multiple LNBs installations on a single dish antenna. The LNB enables the reception of signals from one satellite and its distribution via a Multiswitch to numerous Set-Top Boxes and is ready for High Definition transmissions and provides excellent Noise Figure performance. Manufactured to the highest industry quality standards and designed to meet strict specifications, this LNB is an ideal solution for the satellite broadcast reception across Europe.

Main Features:

- Low Phase Noise, DVB-S2X (HD and UHD) compliant
- Low Noise Figure
- Low power consumption
- High Cross Polarization Isolation
- High Frequency stability



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HsSquare
Technology

40
mm

ULN
Low Noise
Technology

5G

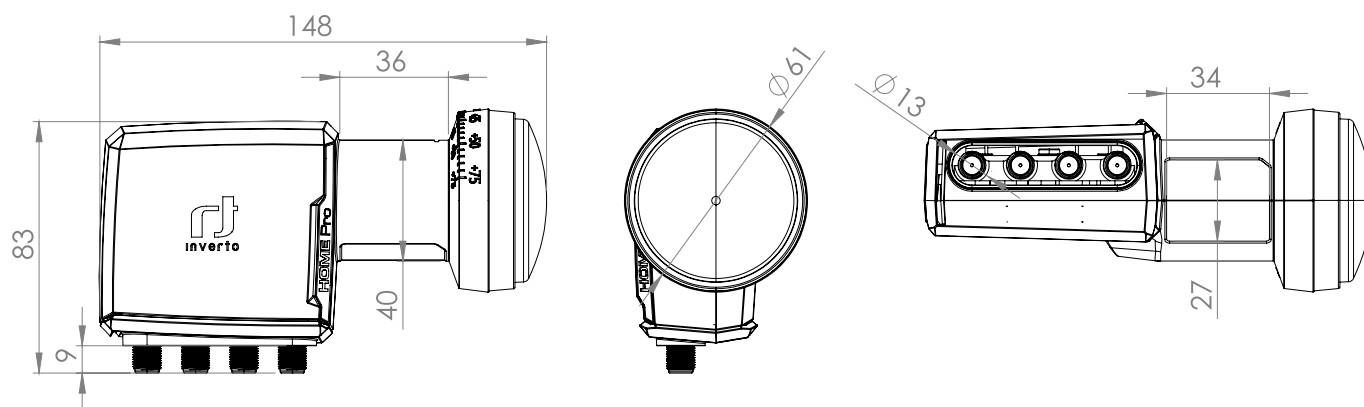
4K/8K
Ultra HD

Technical data

Input frequency range	10.7 GHz ~ 12.75 GHz
Output frequency range	950 MHz ~ 2150 MHz
Low band LO frequency	9.75 GHz
High band LO frequency	10.6 GHz
Noise figure	0.3 dB typ. (0.7 dB max.)
LO frequency accuracy @ 25 °C	±500 kHz max.
LO temperature drift @ 25 °C	±1.0 MHz max.
LO phase noise @ 10 kHz	-80 dBc/Hz max.
Conversion gain	55 dB min.
Gain ripple (over 26 MHz bandwidth)	±0.75 dB
Gain variation (over full band)	±4 dB
Image rejection	40 dB min.
3th order intermodulation - ICP3	10 dBm min.
1 dB compression point (@ output)	0 dBm min.
Cross polarization isolation	22 dB min.
Control signal Ca (V)	11.0 V ~ 14.0 V
Control signal Cb (H)	16.0 V ~ 20.0 V
Control signal Cc (band switching)	22 kHz ±4 kHz, 0.4V ~ 0.8V pp
Output VSWR	2.5 : 1
In band spurious level	-60 dBm max.
Current consumption	240 mA max. @ 11 VDC ~ 20 VDC
Operating temperature	-30 °C ~ +60 °C
Output impedance (LNB2)	75 Ω
Output connector type	F-type (female)
Dish F/D ratio	0.6
Weight	140 g

Logistical info

Packaging dimensions (h x w x d)	15.1 cm x 8.9 cm x 7.1 cm
Packaging weight	0.197 kg
Quantity per carton	60 pcs
Carton dimensions (h x w x d)	62.0 cm x 46.5 cm x 23.5 cm
Carton weight	13.1 kg
Quantity per pallet	32 ctns/plt



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.

For further details contact: sales@inverto.tv
 FTA Communication Technologies S.à r.l | Tel. +352 264 367 1 | Fax. +352 264 313 68
 17 Route de Luxembourg, Gonderange, L-6182, Luxembourg