



Pro

**Wideband 40mm LNB with Horizontal/Vertical ports, LO 10.41 GHz (UK)
IDLW-WDB401-UKPRO-OPN**

Item: 6048

Specifically designed to meet the increasing demand of DTH operators for lower cost MDU and Multi-tuner Home Gateway installations. This professional wideband LNB is based on a single 10.41 GHz local oscillator, delivering outstanding RF performance over the entire frequency range (L-band) and for the signals at the two output ports for the vertical and horizontal plane combined with a greater immunity against terrestrial/4G interferences.

Manufactured to the highest industry quality standards and designed to meet strict specifications, this LNB is an ideal solution for a cost-effective reception of one satellite and its distribution to multi-tuner home gateways or to multiswitches with compatible wideband LNB inputs.

Main Features:

- Local Oscillator: 10.41 GHz
- Low Phase Noise, DVB-S2 (HDTV) compliant
- Low Noise Figure
- Low Power Consumption
- High Cross Polarization Isolation
- High Frequency stability (PLL)
- Greater immunity against 4G interferences



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Wide
Band

40
mm

ULN
Low Noise
Technology

4G

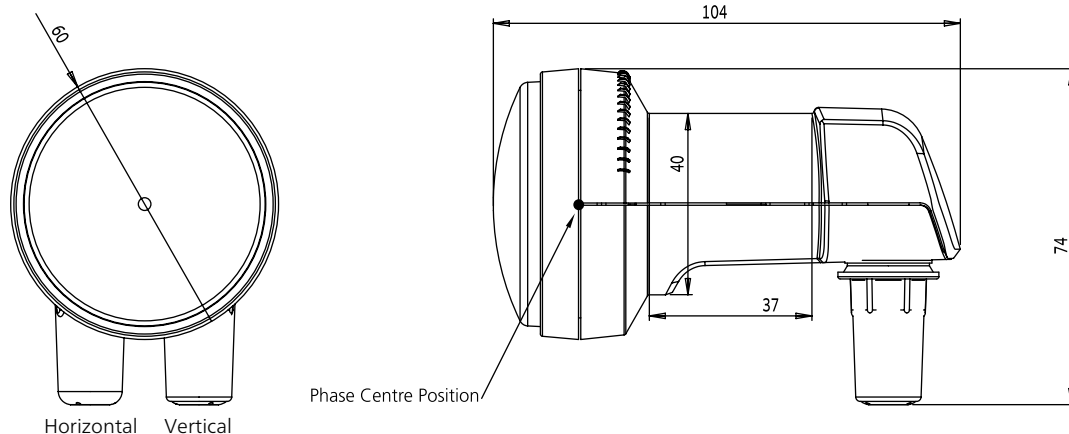
4K
Ultra HD

Technical data

Input frequency range	10.7 GHz ~ 12.75 GHz
IF frequency range	290 MHz ~ 2340 MHz
LO frequency	10.41 GHz
Noise figure	0.7 dB typ. (1 dB max.)
LO accuracy @ 25 °C	±0.5 MHz
LO temperature drift	±1 MHz
LO phase noise @ 10 kHz	-80 dBc/Hz max.
Conversion gain	50 dB ~ 60 dB min.
Gain ripple (over 26 MHz bandwidth)	±0.5 dB @ 27 MHz
Gain variation (over full band)	6 dB max.
Image rejection	40 dB min. (8.05 GHz ~ 10.1 GHz)
1 dB compression point (@ output)	0.0 dBm min.
Cross polarization isolation	25 dB min.
Output VSWR	2.5 : 1
In band spurious level	-60 dBm max.
Current consumption	100 mA max. @ 11 V ~ 20 V
Operating temperature	-30 °C ~ +60 °C
Output impedance	75 Ω
Output connector type	F-Type (female)
Weight	98 g

Logistical info

Packaging dimensions (W x D x H)	106 mm x 65 mm x 65 mm
Packaging weight	125 g
Quantity per carton	100PCS
Carton dimensions (W x D x H)	56.5cm x 34.5cm x 28cm
Carton weight	13.5 kg
Quantity per pallet	4200 pcs



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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