



HOME Pro

Quattro Universal 40mm PLL LNB IDLH-QTL410-HMPRO-OPN

Item: 5444

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-S2 (HD and UHD) compliant
- Low Noise Figure
- Low power consumption
- High Cross Polarization Isolation
- High Frequency stability







Technical data

Input frequency range $10.7~\mathrm{GHz} \sim 12.75~\mathrm{GHz}$ Output frequency range $950~\mathrm{MHz} \sim 1950~\mathrm{MHz}$

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/27 MHz

Gain variation (over full band)±4 dBImage rejection40 dB min.3th order intermodulation - ICP310 dBm min.

1 dB compression point (@ output)

Cross polarization isolation

22 dB min.

Control signal Ca (V)

11.0 V ~ 14.0 V

Control signal Ca (V) $11.0 \text{ V} \sim 14.0 \text{ V}$ Control signal Cb (H) $16.0 \text{ V} \sim 20.0 \text{ V}$

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 120 mA max. @ 11 VDC ~ 20 VDC

Current consumption 120 mA max. @ 11 VDC \sim 20 VDC Operating temperature -30 °C \sim +60 °C

Output impedance (LNB2) 75
Output connector type F-type (female)

Dish F/D ratio 0.6
Weight 174 g

Logistical info

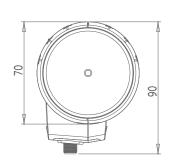
Packaging dimensions (h x w x d) 15,4 cm x 10,0 cm x 8,0 cm

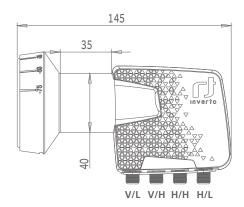
Packaging weight 0,226 kg
Quantity per carton 60 pcs

Carton dimensions (h x w x d) 64,5 cm x 53,0 cm x 27,0 cm

Carton weight 14.4 kg

Quantity per pallet 16 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.