



ODM2

Twin Universal 40mm PLL LNB ODM2-TWL410-00000-OPN

Specifically designed for the OEM market to address the demand of the global DTH market for a competitive and 4G/LTE protected solution, this LNB provides optimized reception capabilities using the latest chipset technology and waveguide design for satellite signal reception. It enables the reception of satellite TV from a single satellite and its distribution to two single tuner Set Top Boxes (or 1 twin tuner PVR). The LNB supports HD and UHD transmissions, delivers excellent RF performances, very low power consumption and importantly engineered to mitigate interferences from 4G/LTE transmissions. Manufactured to the highest industry quality standards and engineered to meet strict specifications, this LNB is an ideal solution for DTH operators and satellite broadcast reception across the world.

Main Features:

- Low Phase Noise, DVB-S2 (HD and UHD) compliant
- Low Noise Figure
- Low power consumption
- High Cross Polarization Isolation
- High Frequency stability
- Extractable rain protection
- Brand logo customization by mould insert
- Branded product colours
- Custom printed boxes & branded packaging





Technical data

Input frequency range
Output frequency range
Low band LO frequency

High band LO frequency

Noise figure

LO frequency accuracy @ 25 °C

LO temperature drift LO phase noise @ 10 kHz

Conversion gain

Gain ripple (over 26 MHz bandwidth)

Gain variation (over full band)

Image rejection

3th order intermodulation - ICP3 1 dB compression point (@ output)

Cross polarization isolation Control signal Ca (V) Control signal Cb (H)

Control signal Cc (band switching)

Output VSWR

In band spurious level
Current consumption
Operating temperature
Output impedance
Output connector type

Dish F/D ratio Weight 10.7 GHz ~ 12.75 GHz

950 MHz ~ 2150 MHz

9.75 GHz 10.6 GHz

0.3 dB typ. (0.7 dB max.)

±500 kHz max. ±1.0 MHz max. -80 dBc/Hz max. 55 dB min.

±0.75 dB ±4 dB 40 dB min. 10 dBm min.

0 dBm min. 22 dB typ. 11.0 V ~ 14.0 V

16.0 V ~ 20.0 V

22 kHz ±4 kHz, 0.4V ~ 0.8V pp

2.5:1

-60 dBm max.

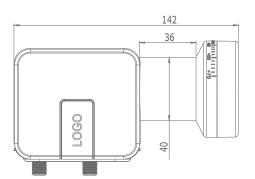
120 mA max. @ 11 VDC ~ 20 VDC

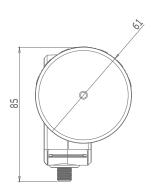
-30 °C ~ +60 °C

75 Ω

F-type (female)

0.6 202 g





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.