



Pro

Single Full-Band Circular 40mm LNB IDLP-TNR410-FBAND-OPN

Item: 5828

Specifically designed for the European DTH markets, this LNB provides optimized reception capabilities for receiving circular satellite broadcasts. It enables the reception of signals from one satellite and its distribution to a single tuner Set Top Box. It fully supports Ultra High Definition broadcasts and provides excellent Noise Figure, Cross-polarization isolation and Phase noise performances. Designed to meet strict specifications and manufactured to the highest industry quality standards, this LNB is an ideal solution for receiving satellite broadcasts with circular polarization across Europe.

Main Features:

- Low Phase-Noise
- DVB-S2 (HDTV) compliant
- Low Noise-Figure
- Low Power Consumption
- High Cross Polarization Isolation
- High Frequency Stability







Technical data

Low band input frequency range

Low band output frequency range

Low band LO frequency

High band input frequency range
High band output frequency range

High band LO frequency

Noise figure

LO temperature drift LO Initial accuracy Polarization

LO phase noise @ 1 kHz LO phase noise @ 10 kHz LO phase noise @ 100 kHz LO phase noise @ 1 MHz

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
Output return loss
Current consumption
Operating temperature

Output impedance

Output connector type

Weight

10.7 GHz ~ 11.7 GHz

950 MHz ~ 1950 MHz

9.75 GHz

11.7 GHz ~ 12.75 GHz 1100 MHz ~ 2150 MHz

10.6 GHz 0.7 dB max. ±1.0 MHz max.

±600 kHz max.

Circular

-70 dBc / Hz max. -80 dBc / Hz max. -90 dBc / Hz max.

-95 dBc/Hz
55 dB min.
±0.75 dB
±4 dB max.
40 dB min.
10 dBm min.
0 dBm min.

18 dB min. 10.0 V ~ 14.0 V 16.0 V ~ 20.0 V 22 ±4 kHz 2.5 : 1

- 60 dBm max. 10 dB min.

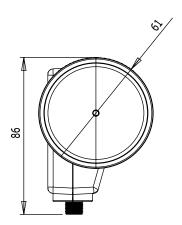
110 mA max. (11 VDC ~ 20 VDC)

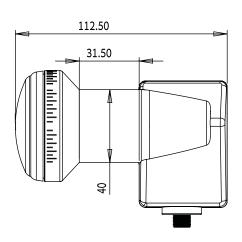
-35 °C ~ +60 °C

75 Ω

F-Type (female)

195 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.