



Pro

Quad Universal 40mm Flange PLL LNB IDLP-QDLF00-00PR0-0PN

Item: 5939

Designed to address the demanding requirements of DTH operators worldwide, our PRO LNB Flange series is highly competitive and provides outstanding reception performance using advanced microwave design and technology. The PRO LNB series with C120 flange supports Standard, High and Ultra High Definition transmissions, delivers excellent RF performances, very low power consumption and is designed to protect the satellite signal from 4G/LTE interferences.

This LNB enables the reception of satellite TV and Radio from a single satellite and its distribution to four Set-top boxes or two twin tuner Set-top boxes. 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:

- C120 Flange
- Low Phase Noise, DVB-S2 (HDTV) compliant
- Low Noise Figure
- Low power consumption
- High Cross Polarization Isolation
- High Frequency stability [PLL]
- High immunity against 4G interferences







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 frequency accuracy @ 25° C

LO phase noise @ 10 kHz

Conversion gain

Gain ripple (over 26 MHz bandwidth)

Gain variation (over full band)
3th order intermodulation - ICP3
1 dB compression point (@ output)

Cross polarization isolation

Control signal Cc (band switching)

Output VSWR

In band spurious level

Current consumption

Operating temperature

Output impedance

Output connector type

Weight

Logistical info

Packaging dimensions (W x D x H)

Packaging weight

Quantity per carton

Carton dimensions (W x D x H)

Carton weight

Quantity per pallet

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

0.6 dB typ. (0.9 dB max.)

±600 kHz max.

-80 dBc / Hz max.

55 dB min.

±0.75 dB

±3 dB

10 dB min.

0.0 dBm min., >3 dBm typ.

23 dB min., 25 dB typ.

 $22 \text{ kHz} \pm 4 \text{ kHz}, 0.4 \text{ V} \sim 0.8 \text{ V} \text{ pp}$

2.0:1

-60 dBm max.

300 mA max. @ 11 V \sim 20 V

-30 °C ~ +60 °C

75 Ω

F-Type (female)

126 g

65 cm x 65 cm x 112 cm

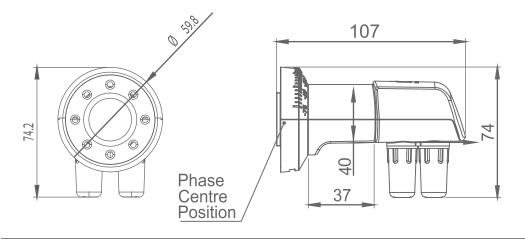
0.165 Kg

100

470 cm x 345 cm x 345 cm

17.3 Kg

3600



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.