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## Extend

**Quad Long-Neck 40mm LNB**

**IDLR-QUDL40-EXTND-OPP**

**Item: 3304**



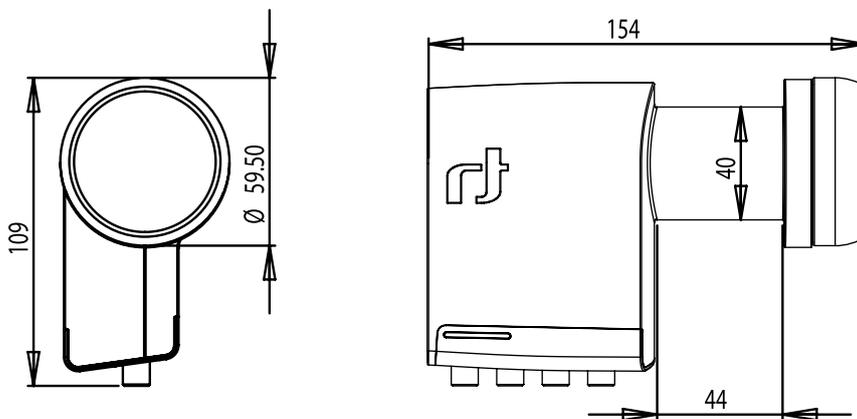
Specifically designed for the European DTH markets, this LNB provides optimized reception capabilities and is designed to address the need to support multiple LNBs installations (on a single dish antenna) allowing for two 40mm brackets to be placed on its prolonged neck. This LNB enables the reception of signal from one satellite and its distribution to up-to 4 single tuner Set-top boxes (or 2 in the case of a twin-tuner STB), 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:

- Long neck for multi satellite reception installations
- Low Phase Noise, DVB-S2 (HDTV) compliant
- Low Noise Figure
- Low power consumption
- High Cross-Pole performance
- High Frequency stability

## Technical data

Low band input frequency range	10.7 GHz ~ 11.7 GHz
Low band output frequency range	950 MHz ~ 1950 MHz
Low band LO frequency	9.75 GHz
High band input frequency range	11.7 GHz ~ 12.75 GHz
High band output frequency range	1100 MHz ~ 2150 MHz
High band LO frequency	10.6 GHz
Noise figure	0.3 dB typ. (0.7 dB max.)
LO temperature drift @ 25° C	±3.0 MHz max.
LO Initial accuracy	±1.0 MHz max.
LO phase noise @ 10 kHz	-80 dBc/Hz
Conversion gain	55 dB min.
Gain ripple (over 26 MHz bandwidth)	±0.75 dB
Gain variation (over full band)	±4 dB max.
Image rejection	40 dB min.
1 dB compression point (@ output)	0.0 dBm min.
Cross talk	20 dB min.
Control signal Ca (V)	11.0 V ~ 14.0 V
Control signal Cb (H)	16.0 V ~ 20.0 V
Control signal Cc (band switching)	22 kHz ±4 kHz, 0.4V ~ 0.8V pp
Output VSWR	2.5 : 1
In band spurious level	-50 dBm max.
Current consumption	200 mA max. (11 VDC ~ 20 VDC)
Operating temperature	-30 °C ~ +60 °C
Output impedance	75 Ω (F-type)
Output connector type	F-Type (female)
Weight	243 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.

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