

# Pro

## Quad High-Band Circular 40mm LNB (LO10.75 GHz) IDLP-QDR410-H1075-OPX

ltem: 5653

Specially designed for the European DTH markets, this LNB provides optimized reception capabilities for receiving high band circular polarized signals. It embeds a 10.75 GHz LO for easy connectivity with any Set-top box supporting a 10.75 GHz LO settings. The LNB fully supports high definition broadcasts and provides excellent noise figures performance. It enables the reception of signals from one satellite and its distribution to four single tuner Set-top boxes (or two twin tuner STBs). Designed to meet strict specifications and manufactured to the highest industry quality standards, this LNB is an ideal solution for receiving circularly-polarized satellite broadcasts across Europe.

#### Main features:

- LO frequency 10.75 GHz
- Low phase noise
- HDTV-DVB-S2 compliant
- Low noise figure
- Low power consumption
- High cross-polarization isolation
- High frequency stability







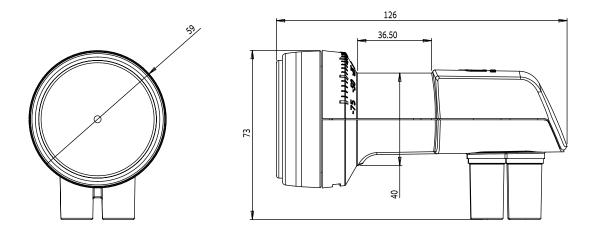
### Technical data

High band input frequency range High band output frequency range High band LO frequency Noise figure LO temperature drift LO Initial accuracy @ 25° C Polarization LO phase noise @ 1 kHz LO phase noise @ 10 kHz LO phase noise @ 100 kHz Conversion gain Gain ripple (over 26 MHz bandwidth) Gain variation (over full band) Image rejection 1 dB compression point (@ output) Cross polarization isolation Polarization selection - LHCP Polarization selection - RHCP Output VSWR 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 11.7 GHz ~ 12.75 GHz 950 MHz ~ 2000 MHz 10.75 GHz 0.8 dB typ. ±2 MHz ±1 MHz Circular -70 dBc/Hz max. -80 dBc/Hz max. -90 dBc/Hz max. 55 dB ~ 65 dB min. ±1 dB ±3 dB 40 dB min. 0.0 dBm min. 18 dB min. 10.5 V ~ 14.5 V 15.5 V ~ 21.0 V 2.0:1 250 mA max. @ 10.5 V ~ 20.0 V -30 °C ~ +60 °C 75 Ω F-Type (female) 131 g

13.3 cm x 6.2 cm x 6.8 cm 0.16 Kg 100 pcs 55.5 cm x 32.5 cm x 36.5 cm 16 Kg 2000 pcs



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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