HOME Pro

Quattro Universal 40mm PLL LNB
IDLH-QTL410-HMPRO-OPN
Item: 5444

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. The LNB enables the reception of signals from one satellite and its distribution via a Multiswitch to numerous Set-Top Boxes and 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:

- Low Phase Noise, DVB-S2 (HD and UHD) compliant
- Low Noise Figure
- Low power consumption
- High Cross Polarization Isolation
- High Frequency stability

www.inverto.tv

HsQuare Technology

←40→ mm

ULN Low Noise Technology

4G

4K Ultra HD

Technical data

Input frequency range	10.7 GHz ~ 12.75 GHz
Output frequency range	950 MHz ~ 2150 MHz
Low band LO frequency	9.75 GHz
High band LO frequency	10.6 GHz
Noise figure	0.3 dB typ. (0.7 dB max.)
LO frequency accuracy @ 25 °C	±500 kHz max.
LO temperature drift @ 25 °C	±1.0 MHz max.
LO phase noise @ 10 kHz	-80 dBc/Hz max.
Conversion gain	55 dB min.
Gain ripple (over 26 MHz bandwidth)	±0.75 dB
Gain variation (over full band)	±4 dB
Image rejection	40 dB min.
3th order intermodulation - ICP3	10 dBm min.
1 dB compression point (@ output)	0 dBm min.
Cross polarization isolation	22 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	-60 dBm max.
Current consumption	240 mA max. @ 11 VDC ~ 20 VDC
Operating temperature	-30 °C ~ +60 °C
Output impedance (LNB2)	75 Ω
Output connector type	F-type (female)
Dish F/D ratio	0.6
Weight	224 g

Logistical info

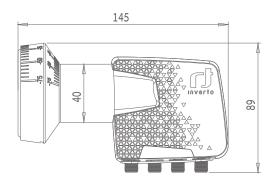|	
Packaging dimensions (h x w x d)	15.5 cm x 9.1 cm x 7.6 cm
Packaging weight	0.284 kg
Quantity per carton	60 pcs
Carton dimensions (h x w x d)	64.0 cm x 47.5 cm x 25.0 cm
Carton weight	18.3 kg
Quantity per pallet	32 ctns/plt

V290319