



# HOME Pro

Single Universal 40mm PLL LNB  
IDLH-SNL410-HMPRO-OPN

Item: 5441

Specifically designed to address the demand of the global DTH market for a competitive and 4G/LTE protected solution, this LNB provides optimized reception capabilities using the latest chipset technology and waveguide design for satellite signal reception. It enables the reception of satellite TV from a single satellite and its distribution to a single tuner Set-top box. The LNB supports HD and UHD transmissions, delivers excellent RF performances, very low power consumption and importantly engineered to mitigate interferences from 4G/LTE transmissions. 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:

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



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HsSquare  
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 ~ 1950 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/27 MHz
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	80 mA max. @ 11 VDC ~ 20 VDC
Operating temperature	-30 °C ~ +60 °C
Output impedance (LNB2)	75
Output connector type	F-type (female)
Dish F/D ratio	0.6
Weight	127 g

## Logistical info

Packaging dimensions (h x w x d)	13,0 cm x 9,0 cm x 8,0 cm
Packaging weight	0,145 kg
Quantity per carton	100 pcs
Carton dimensions (h x w x d)	67,0 cm x 48,0 cm x 35,0 cm
Carton weight	15.3 kg
Quantity per pallet	12 ctns/plt

