



ODM2

Quattro Universal 40mm PLL LNB
ODM2-QTL410-00000-OPN

Specifically designed for the OEM market to address 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
- Extractable rain protection
- Brand logo customization by mould insert
- Branded product colours
- Custom printed boxes & branded packaging

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	202 g

