



Pro

Quad Universal 40mm Flange PLL LNB

IDLP-QDLFOO-OOPRO-OPN

Item: 5939

Designed to address the demanding requirements of DTH operators worldwide, our PRO LNB Flange series is highly competitive and provides outstanding reception performance using advanced microwave design and technology. The PRO LNB series with C120 flange supports Standard, High and Ultra High Definition transmissions, delivers excellent RF performances, very low power consumption and is designed to protect the satellite signal from 4G/LTE interferences.

This LNB enables the reception of satellite TV and Radio from a single satellite and its distribution to four Set-top boxes or two twin tuner Set-top boxes. 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:

- C120 Flange
- Low Phase Noise, DVB-S2 (HDTV) compliant
- Low Noise Figure
- Low power consumption
- High Cross Polarization Isolation
- High Frequency stability [PLL]
- High immunity against 4G interferences



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ULN
Low Noise
Technology



4K
Ultra HD

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	0.6 dB typ. (0.9 dB max.)
LO frequency accuracy @ 25° C	±600 kHz 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)	±3 dB
3th order intermodulation - ICP3	10 dB min.
1 dB compression point (@ output)	0.0 dBm min., >3 dBm typ.
Cross polarization isolation	23 dB min., 25 dB typ.
Control signal Cc (band switching)	22 kHz ±4 kHz, 0.4 V ~ 0.8 V pp
Output VSWR	2.0 : 1
In band spurious level	-60 dBm max.
Current consumption	300 mA max. @ 11 V ~ 20 V
Operating temperature	-30 °C ~ +60 °C
Output impedance	75 Ω
Output connector type	F-Type (female)
Weight	126 g

Logistical info

Packaging dimensions (W x D x H)	65 cm x 65 cm x 112 cm
Packaging weight	0.165 Kg
Quantity per carton	100
Carton dimensions (W x D x H)	470 cm x 345 cm x 345 cm
Carton weight	17.3 Kg
Quantity per pallet	3600

