



CDM3

Twin Universal 40mm PLL LNB ODM3-TWL410-00000-0PN

Designed for the OEM market to address the demanding requirements of DTH operators worldwide, this LNB is highly competitive and provides outstanding reception performance using advanced microwave design and technology. The LNB 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 two Set-top boxes or a twin tuner Set-top box. 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 (HDTV) compliant
- Low Noise Figure
- Low power consumption
- High Cross Polarization Isolation
- High Frequency stability [PLL]
- High immunity against 4G interferences
- Rubber boot for rain protection
- Brand logo customization by mold insert
- Branded product colors
- Custom printed boxes & branded packaging





Technical data

Low band input frequency range Low band output frequency range

Low band LO frequency

High band input frequency range High band output frequency range

High band LO frequency

Noise figure

LO frequency accuracy @ 25° C

LO temperature drift LO phase noise @ 10 kHz

Conversion gain

Gain ripple (over 26 MHz bandwidth)

Gain variation (over full band)

Image rejection

3th order intermodulation - ICP3 1 dB compression point (@ output)

Cross polarization isolation Polarization selection - Vertical Polarization selection - Horizontal Control signal Cc (band switching)

Output VSWR

In band spurious level Current consumption Operating temperature Output impedance

Output connector type

Weight

10.7 GHz ~ 11.7 GHz

950 MHz ~ 1950 MHz

9.75 GHz

11.7 GHz ~ 12.75 GHz 1100 MHz ~ 2150 MHz

10.6 GHz

0.6 dB typ. (0.9 dB max.)

±600 kHz ±1 MHz

-80 dBc / Hz max.

55 dB min. ±0.75 dB ±3 dB 40 dB min. 10 dB min.

0.0 dBm min., >3 dBm typ. 23 dB min., 25 dB typ.

10.0 V ~14.0 V

16.0 V ~ 21.0 V

22 kHz ± 4 kHz, 0.4 V \sim 0.8 V pp

2.0:1

-60 dBm max.

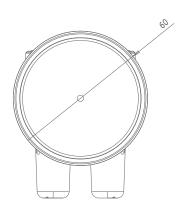
110 mA max. @ 11 VDC ~ 20 VDC

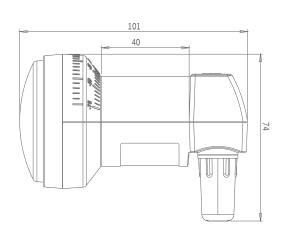
-30 °C ~ +60 °C

75 Ω

F-Type (female)

98 g





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