



# Pro

**Twin Monoblock 23mm LNB ,4.3° for 80cm dish  
IDLM-TNM210-43F80-OPX**

Item: 5824

Specifically designed for the European DTH markets, this Monoblock LNB allows for dual satellite reception. It can be used for satellite broadcast reception (on an 80cm dish antenna) of the Astra 19.2E and 23.5E satellites spaced with 4.3°. It enables the signal distribution to maximum two Set-Top Boxes with Single Tuner (or one STB with Twin Tuner). The LNB is optimized for Ultra High Definition transmissions and provides excellent Noise Figure performance. Designed to meet strict specifications and manufactured to the highest industry quality standards, this LNB is an ideal solution for satellite broadcast reception across Europe.

## Main Features:

- Low Phase Noise, DVB-S2 UHD TV compliant
- Low Noise Figure
- Low Power Consumption
- Very high Cross Polarization Isolation
- Very high Frequency Stability



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← 23 →  
mm

4.3°

80  
cm

4K  
Ultra HD

4G

## 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.  |
| LO temperature drift                | ±2.0 MHz max.  |
| LO Initial accuracy                 | ±600 kHz max.  |
| LO phase noise @ 1 kHz              | -70 dBc / Hz max.  |
| LO phase noise @ 10 kHz             | -80 dBc / Hz max.  |
| LO phase noise @ 100 kHz            | -90 dBc / Hz max.  |
| Conversion gain                     | 55 dB ~ 68 dB  |
| Gain ripple (over 26 MHz bandwidth) | ±0.75 dB   |
| Gain variation (over full band)     | ±4 dB max.   |
| Image rejection                     | 40 dB min.   |
| 3th order intermodulation - ICP3    | 10.0 dBm min.  |
| 1 dB compression point (@ output)   | 0.0 dBm min.   |
| Control, Satellite A/B Selection    | DiSEqC 1.0 (Sat A* = ASTRA 19.2° East, Sat B = ASTRA 23.5° East)<br>*Default Satellite Reception |
| Cross polarization isolation        | 22 dB min.   |
| Output VSWR                         | 2.0 : 1  |
| In band spurious level              | -60 dBm max.   |
| Current consumption                 | 210 mA max. @ 11 V ~ 20 V  |
| Operating temperature               | -30 °C ~ +60 °C  |
| Output impedance                    | 75 Ω   |
| Output connector type               | F-Type (female)  |
| Recommended Dish Size               | 80 cm (F/D = 0.6)  |
| Weight                              | 290 g  |

### Logistical info

|                                  |                     |
|----------------------------------|---------------------|
| Packaging dimensions (W x D x H) | 12 x 11.1 x 10.3 cm |
| Packaging weight                 | 0.342 kg            |
| Quantity per carton              | 30 pcs              |
| Carton dimensions (W x D x H)    | 57.5 x 25.5 x 33 cm |
| Carton weight                    | 11.06 kg            |
| Quantity per pallet              | 720 pcs             |

