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# Mono



Single Monoblock 23mm LNB ,4° for 80cm dish

**IDLB-SINM25-DOPO4-8PP**

Item: 3541

This monoblock LNB was specifically designed for dual satellite reception of Eutelsat's Eurobird and Hotbird satellites on 9°E and 13°E respectively. While mainly customized for the Italian market, this LNB can be used for satellite broadcast reception of any two satellites spaced with 4 degrees, on an 80cm dish antenna, and its distribution to a single tuner Set-top box. It is optimized for High Definition transmissions, provides excellent Noise Figure performance and manufactured to the highest industry quality standards.

#### Main Features:

- Low phase Noise HDTV-DVBS2 compliant
- Low Noise figure of
- Low Power consumption
- Very high Cross-Pole performance
- Very high Frequency stability
- DiSEqC switching

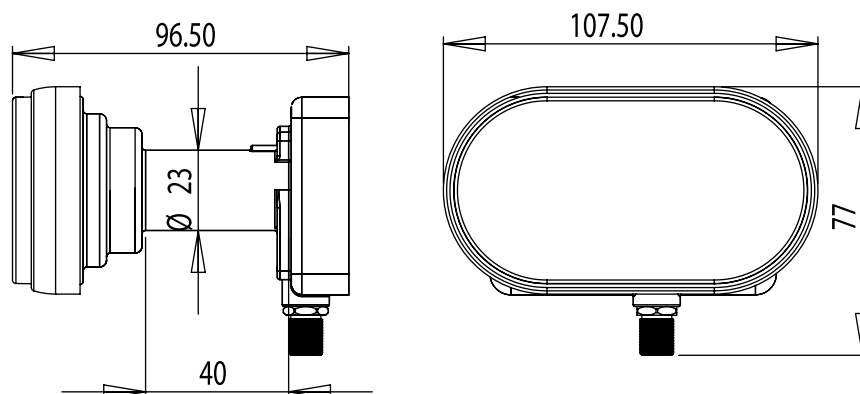
via  
eutelsat



## Technical data

|                                     |  |
|-------------------------------------|--|
| Low Band Input Frequency Range      | 10.7 ~ 11.7 GHz  |
| Low Band Output Frequency Range     | 950 ~ 1950 MHz   |
| Low Band LO Frequency               | 9.75 GHz   |
| High Band Input Frequency Range     | 11.7 ~ 12.75 GHz   |
| High Band Output Frequency Range    | 1100 ~ 2150 MHz  |
| High Band LO Frequency              | 10.6 GHz   |
| Noise Figure                        | 0.2 dB Typ. (0.7 dB Max.)  |
| LO Initial Accuracy                 | +/- 1.0 MHz Max.   |
| LO Temperature Drift                | +/- 3.0 MHz Max.   |
| Phase Noise (@ 10 kHz)              | - 90 dBc / Hz Max.   |
| Conversion Gain                     | 55 dB Min.   |
| Gain Ripple (Over 26 MHz Bandwidth) | +/- 0.75 dB  |
| Gain Variation (Over Full Band)     | +/- 4 dB Max.  |
| Image Rejection                     | 40 dB Min.   |
| 1 dB Compression Point (@ Output)   | 0.0 dBm Min.   |
| Control: Satellite A/B Selection    | DiSEqC 1.0 (Sat A* = Hotbird 13° East, Sat B = Eurobird 9° East) |
| Cross Polarization Isolation        | 22 dB Min.   |
| Output VSWR                         | 2.5 : 1  |
| In-Band Spurious                    | - 60 dBm Max.  |
| Current Consumption                 | 120 mA Max. @ 11 ~ 20 V  |
| Operating Temperature               | - 30 °C ~ + 60 °C  |
| Output Impedance                    | 75 Ω   |
| Output Connector                    | F-Type (Female)  |
| Weight                              | 210 g  |
| Recommended Dish Size               | 75 ~ 85 cm (F/D = 0.6)   |
| Monoblock Mounting Bracket          | 23 mm  |

\* DiSEqC is trademark of Eutelsat



For purpose of brevity, some product descriptions in this sheet remain at platform level and may not be referred to as detailed datasheets of the products. Inverto Digital Labs reserves the right to amend, omit or add products, product-lines, and / or features without notice.

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