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Black Pro

4° Single Monoblock 23mm LNB for 80cm dish

IDLB-SINM24-DOPO4-8PP

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.

Monoblock
23mm 4°

Main Features

- Low Phase Noise, DVB-S2 (HDTV) compliant
- Low Noise Figure
- Low power consumption
- High Cross-Pole performance
- High Frequency stability
- DiSEqC switching

via
eutelsat



Technical Specifications

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

