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## BLACK Pro

Twin Monoblock 23mm LNB ,3° for 80cm dish  
IDLB-TWNM22-MNO03-8PP

This Monoblock LNB was designed for the reception of up to 2 satellites and the independent distribution of their signal to up to 2 single tuner STBs (or 1 in case of a double tuner STB). It can be used for satellite broadcast reception of any two satellites spaced with 3° degrees on an 80cm dish antenna. It is optimized for High Definition transmissions, provides excellent Noise Figure performance and manufactured to the highest industry quality standards.

Monoblock  
23mm

### Main Features

- Low phase Noise HDTV-DVBS2 compliant
- Low Noise figure of 0.2 dB
- Low Power consumption
- Very high Cross-Pole performance
- Very high Frequency stability

## Technical Specifications

Low Band Input Frequency Range	110.7 ~ 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)	- 80 dBc / Hz Max.
Conversion Gain	50 ~ 60 dB
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* = Eastern Satellite Position, Sat B = Western Satellite Position)
Cross Polarization Isolation	22 dB Min.
Output VSWR	2.0 : 1
In-Band Spurious	- 60 dBm Max.
Current Consumption	210 mA Max. @ 11 ~ 20 V
Operating Temperature	- 30 °C ~ + 60 °C
Output Impedance	75 Ω
Output Connector	F-Type (Female)
Weight	460 g
Recommended Dish Size	75 ~ 85 cm (F/D = 0.6)
Monoblock Mounting Bracket	23 mm

