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BLACK MultiConnect

Dielectric feed Twin LNB

IDLB-TWNL20-MULTI-OPP

This innovative LNB was specifically designed for installations that make use of several LNBs on a satellite dish antenna. It's novel slim feed technology incorporating advanced dielectric materials and optimum front end design ensure maximum energy transfer from the dish to the LNB circuits also when the LNB position is off the focal point. Further more, it's long neck allows placing the LNBs closely next to each other and gain access to satellites typically too close in their orbital position to be received with standard neck LNBs on a certain satellite dish antenna. This LNB enables the reception of signal from one satellite and its distribution to up-to two single tuner Set-top box (or 1 in the case of a twin- tuner STB).

Dielectric 23mm

Main Features

- Novel slim feed technology
- Low Phase Noise, DVB-S2 (HDTV) compliant
- Low Noise Figure
- Low power consumption
- High Cross-Pole performance
- High Frequency stability

MultiConnect LNB series:

IDLB-SINL2O-MULTI-OPPDielectric Single 23mm LNBIDLB-TWNL2O-MULTI-OPPDielectric Twin 23mm LNBIDLB-QUDL2O-MULTI-OPPDielectric Quad 23mm LNBIDLB-QUTL2O-MULTI-OPPDielectric Quattro 23mm LNB

Technical Specifications

Low Band Input Frequency Range

Low Band Output Frequency Range

IDLB-TWNL20-MULTI-OPP

LO Frequency

Image Rejection

10.7~11.7 GHz 950~1950 MHz

9.75 GHz

10.6 GHz

0.2dB typ. (0.7dB max.)

+/- 1.0 MHz max.

+/- 3.0 MHz max.

-90 dBc/Hz max.

+/- 0.75 dB/27MHz

60 dB min.

+/- 4 dB

75Ω

40 dB min.

11.7~12.75 GHz High Band Input Frequency Range High Band Output Frequency Range 1100~2150 MHz

LO Frequency Noise Figure

LO Initial Accuracy LO Temperature Drift LO Phase Noise @ 10K Hz

Conversion Gain

Gain Ripple Gain Variation

0.0 dBm min. 1 dB Compression Point (O/P)

Cross talk 23dB min. Control Signals Ca [V] 11.0~14.0 V Control Signals Cb [H] 16.0~20.0 V

Control Signals Cc [Band switching] 22KHz +/- 4KHz 0.4V - 0.8V pp

Output VSWR 2.0:1 Radiated Interference -60 dBm max.

DC Power 180mA max. @ 11 - 20V

-30~+60 °C Working Temperature

Output Impedance (connect to STB) Output connector F-type (female)

Weight 181 g



