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BLACK MultiConnect

Dielectric feed Single LNB

IDLB-SINL20-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. It enables the reception of signal from one satellite and its distribution to a single tuner Set-top box.

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:

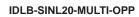
IDLB-SINL2O-MULTI-OPPDielectric Single 23mm LNBIDLB-TWNL2O-MULTI-OPPDielectric Twin 23mm LNBIDLB-QUDL2O-MULTI-OPPDielectric Quad 23mm LNBIDLB-QUTL2O-MULTI-OPPDielectric Quattro 23mm LNB

Dielectric 23mm

Technical Specifications

Low Band Input Frequency Range

Low Band Output Frequency Range



LO Frequency

10.7~11.7 GHz 950~1950 MHz

9.75 GHz

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

LO Frequency 10.6 GHz

Noise Figure 0.2dB typ. (0.7dB max.)
LO Initial Accuracy +/- 1.0 MHz max.

LO Temperature Drift +/- 3.0 MHz max.

LO Phase Noise @ 10K Hz -90 dBc/Hz max.

Conversion Gain 60 dB min.

Gain Ripple +/- 0.75 dB/27MHz

Gain Variation +/- 4 dB
Image Rejection 40 dB min.

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

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.

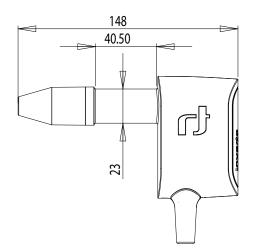
DC Power 120mA max. @ 11 – 20V

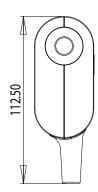
Working Temperature -30~+60 °C

Output Impedance (connect to STB) 75Ω

Output connector F-type (female)

Weight 151 g







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.