

LNB IDLB-SINL24-MULT



iNVERTO Dielectric feed Single LNB

Manufacturer: [INVERTO](#)

Description

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

Low Band Input Frequency Range: 10.7~11.7 GHz

Low Band Output Frequency Range: 950~1950 MHz

LO Frequency: 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): 75?
Output connector: F-type (female)
Weight: 151 g