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Black eco

Single 40mm LNB

IDLB-SINS40-00ECO-OPP

Specifically designed to meet the most updated requirements in the European satellite markets, this LNB features low power consumption and provides optimized reception capabilities to support the growing multi-satellite high definition transmissions across Europe. It enables the reception of signal from one satellite and its distribution to a single tuner Set-top box. It is ready for High Definition transmissions and provides excellent Noise Figure and Phase noise performances. Manufactured to the highest industry quality standards and designed to meet strict specifications, this LNB is an ideal solution for the satellite broadcast reception across Europe.

Standard
40mm



Low power consumption
Eco friendly - RoHS & REACH compliant
Made from recyclable materials

Main Features

- Low Phase Noise, DVB-S2 (HDTV) compliant
- Ultra Low Noise Technology 0.1dB (ULN +)
- Low power consumption
- High Cross-Pole performance
- High Frequency stability

Technical Specifications

| | |
|-------------------------------------|--------------------------------|
| 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 | 0.1 dB (ULN+) Typ.(0.7dB Max.) |
| LO Initial Accuracy | +/- 1.0 MHz max. |
| LO Temperature Drift | +/- 3.0 MHz max. |
| LO Phase Noise @ 10K Hz | -85 dBc/Hz max. |
| Conversion Gain | 56 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 | 20dB 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 | 2.5 : 1 |
| Radiated Interference | -50 dBm max. |
| DC Power | 100mA max. @ 11 – 20V |
| Working Temperature | -30~+60 °C |
| Output Impedance (connect to STB) | 75Ω |
| Output connector | F-type (female) |
| Weight | 100 g |

