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BLACK Pro

Single Flange LNB

IDLB-SINFOO-OOPRO-OPP

Specifically designed for the European DTH markets, this LNB provides optimized reception capabilities. 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 performance. 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.

Flange

Main Features

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

Technical Specifications

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|---|-------------------------|
| Low Band Input Frequency Range | 10.7 ~ 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 |
| LO Initial Accuracy | +/- 1.0 MHz Max. |
| LO Temperature Drift | +/- 3.0 MHz Max. |
| Phase Noise (@ 10 kHz) | - 80 dBc/Hz Max. |
| Conversion Gain | 53 ~ 63 dB |
| Gain Ripple (Over 26MHz 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. |
| Cross Polarization Isolation | 22 dB Min. |
| Control Signal Ca (Vertical Polarization) | 11.0 ~ 14.0 V |
| Control Signal Cb (Horizontal Polarization) | 16.0 ~ 20.0 V |
| Control Signal Cc (Band Switching) | 22 +/- 4 kHz |
| Output VSWR | 2.5 : 1 |
| In-Band Spurious | - 60 dBm Max. |
| Current Consumption | 110 mA Max. @ 11 ~ 20 V |
| Operating Temperature | - 25 °C ~ + 60 °C |
| Output Impedance | 75 Ω |
| Output Connector | F-Type (Female) |
| Weight | 130 g |

