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# Pro

**Single Straight-feed 40mm LNB with embeded DiSEqC**
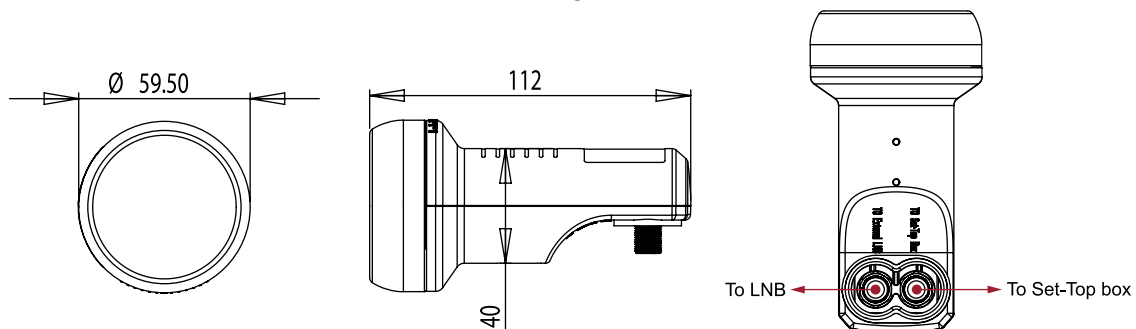**IDLB-SINS40-DISEQ-OPP**
**Item: 3115**

With its embedded DiSEqC this LNB will enable the connection of an additional single LNB without the need to add an additional external switch. It is suitable for users wanting to receive 2 satellites which are not supported with one of our existing Monoblock LNBs due to a unique desired angle between the two LNBs or due to the use of a dish larger the 80cm. As it was specifically designed for the European DTH markets, this LNB provides optimized reception capabilities. It is ready for High Definition transmissions and provides excellent Noise Figure performance. Manufactured to the highest industry quality standards and designed to meet the most strict specifications, this LNB is an ideal solution for the satellite broadcast reception across Europe.

**Main Features:**
• Low phase Noise HDTV-DVBS2 compliant
• Low Noise figure of 0.2 dB
• Low Power consumption
• Very high Cross-Pole performance
• Very high Frequency stability

## Technical data

| | |
|---|---|
| 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 Typ. (0.7dB Max.) |
| LO Initial Accuracy | +/- 1.0 MHz Max. |
| LO Temperature Drift | +/- 3.0 MHz Max. |
| Phase Noise (@ 10 kHz) | - 90 dBc / Hz Max. |
| Conversion Gain | 52 ~ 65 dB |
| Gain Ripple (Over 26 MHz 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 |
| DiSEqC A Input | Das Integrierte LNB |
| DiSEqC B Input | Das Externe LNB |
| In-Band Spurious | - 60 dBm Max. |
| Current Consumption | 120 mA Max. @ 11 ~ 20 V |
| Operating Temperature | - 30 °C ~ + 60 °C |
| Output Impedance (to STB) | 75 Ω |
| Output Connector | F-Type (Female) |
| Output VSWR (to STB) | 2.5 : 1 |
| Input Impedance (to 2nd LNB) | 75 Ω |
| Input Connector | F-Type (Female) |
| Input VSWR (to 2nd LNB) | 2.5 : 1 |
| Weight | 134 g |

Ø 59.50

112

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To LNB ← → To Set-Top box

For further details contact: **sales@inverto.tv**

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