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Eco

Twin Eco 40mm LNB
IDLB-TWNL40-OOECO-OPP
Item: 3220



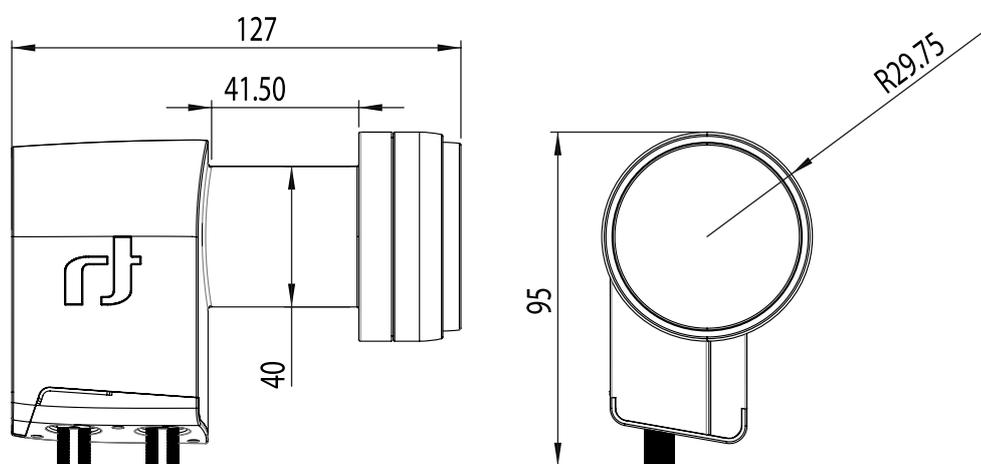
This LNB was specifically designed to meet the most updated requirements on low power consumption in the European markets. The LNB design incorporates advanced low power circuitry with outstanding reception performance. It enables the reception of signals from one satellite and its distribution to two different Set Top Boxes each with a Single Tuner or to a Dual-Tuner PVR receiver. It is compatible with High Definition Satellite TV transmissions and provides excellent Noise Figure and Phase Noise performances. Designed to meet strict specifications and manufactured to the highest industry quality standards, this LNB is an ideal solution for the satellite broadcast reception across Europe.

Main Features:

- Low phase Noise, DVB-S2 (HDTV) compliant
- Ultra Low Noise Technology ULN+
- Low Power Consumption
- High Cross Polarization Isolation
- 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	0.1 dB (ULN+) Typ. (0.7dB Max.)
LO Initial Accuracy	+/- 1.0 MHz Max.
LO Temperature Drift	+/- 3.0 MHz Max.
Phase Noise (@ 10 kHz)	- 85 dBc / Hz Max.
Conversion Gain	50 ~ 60dB
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
Output VSWR	2.5 : 1
In-Band Spurious	- 60 dBm Max.
Current Consumption	90 mA Max. @ 11 ~ 20V
Operating Temperature	- 30 °C ~ +60 °C
Output Impedance	75 Ω
Output Connector	2 x F-type (Female)
Weight	100 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.

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