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Pro

Single High-Band Circular 40mm LNB(LO10.75 GHz)

IDLB-SINR42-H1075-OPP

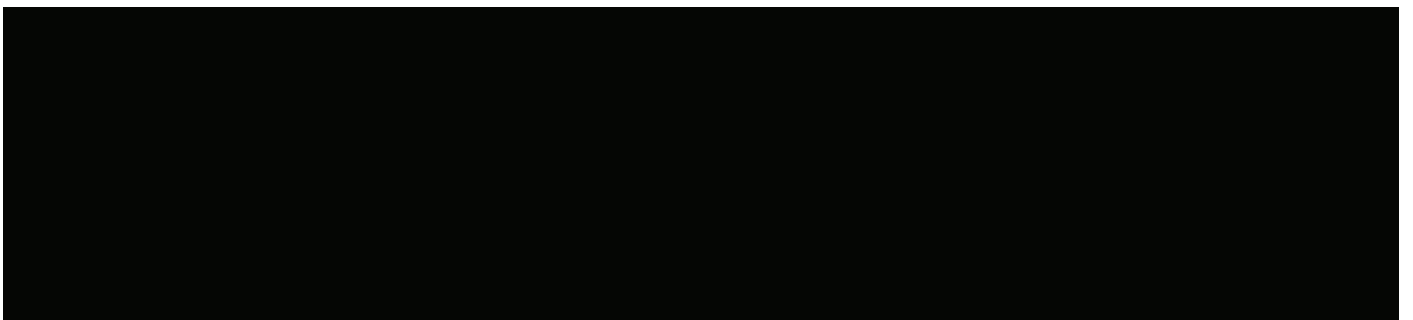
Item: 3142



Specifically designed for the European DTH markets, this LNB provides optimized reception capabilities for receiving circular polarized signal on the high band. It is factory set for easy connectivity with any LO 10.75 Preset Set-top boxes, fully supports High Definition transmissions and provides excellent Noise Figure performance. It enables the reception of signal from one satellite and its distribution to a single tuner Set-top box, it is manufactured to the highest industry quality standards and is designed to meet strict specifications. This LNB is an ideal solution for the satellite broadcast reception across Europe.

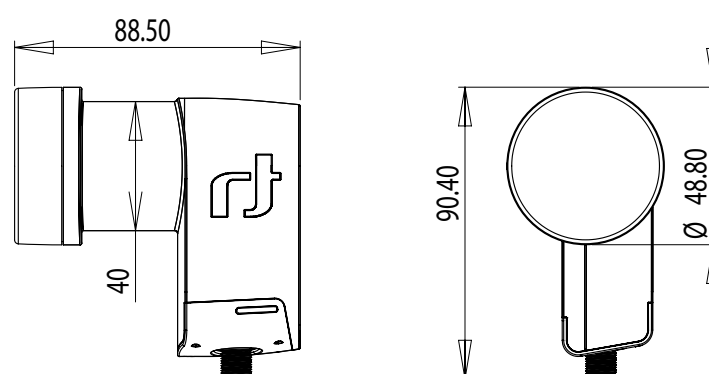
Main Features:

- LO frequency 10.75 MHz
- Low phase Noise HDTV-DVBS2 compliant
- Low Noise figure
- Low Power consumption
- High Cross-Pole performance
- High Frequency stability



Technical data

Low Band Input Frequency Range	.
Low Band Output Frequency Range	.
Low Band LO Frequency	.
High Band Input Frequency Range	11.7 ~ 12.75 GHz
High Band Output Frequency Range	950 ~ 2150 MHz
High Band LO Frequency	10.75 GHz
Noise Figure	0.3 dB Typ. (0.7dB Max.)
LO Initial Accuracy	+/- 1.0 MHz Max.
LO Temperature Drift	+/- 3.0 MHz Max.
Phase Noise (@ 10 kHz)	- 80 dBc / Hz Max.
Conversion Gain	55 dB Min.
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)	.
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



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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