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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

