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## BLACK Pro

### Twin Flange LNB

IDLB-TWNFOO-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 up-to two single tuner Set-top box (or 1 in the case of a twin- tuner STB). 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

Low Band I/P Frequency Range	10.7 ~ 11.7 GHz
O/P Frequency Range	950 ~ 1950 MHz
LO Frequency	9.75 GHz
High Band I/P Frequency Range	11.7 ~ 12.75 GHz
O/P Frequency Range	1100 ~ 2150 MHz
LO Frequency	10.6 GHz
Noise Figure	0.2 dB
LO Initial Accuracy	+/- 1.0 MHz
LO Temperature Drift	+/- 3.0 MHz
LO Phase Noise @ 10K Hz	-80 dBc / Hz
Conversion Gain	55 dB Min.
Gain Variation	+/-8 dB
Image Rejection	40 [min.] dB
O/P 1 dB Compression Point	0.0 [min.] dBm
Crosstalk Isolation	20 [min.] dB
Control Signals Ca [ V ]	10.0 ~ 14.0 V
Control Signals Cb [ H ]	16.0 ~ 20.0 V
Control Signals Cc	22 +/- 4 KHz
O/P Supurious	- 60 [max.] dBc
O/P VSWR	2.5 : 1 ~
Radiated Interference	-50 dBm
DC Power	120mA Max.@11-20V
Working Temperature	- 30 ~ + 60
Output Impedance	75 $\Omega$ (F-Type)
Weight	180 g

