



# Single LNB

## Product Specifications

### Description

Specifically designed for the DTH markets, this LNB provides optimized reception capabilities. This Single Port LNB enables the reception of signal from one satellite and its distribution to a single-tuner set-top boxes and 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 and South America.



### Features:

- Low Phase Noise
- Low Noise Figure
- Low Power Consumption
- High Cross Polarization Isolation
- High Frequency Stability

Parameter	Specification
Ports	1
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	11.7~12.75 GHz
High Band Output Frequency Range	1100~2150 MHz
High Band LO Frequency	10.6 GHz
Noise Figure	0.5 dB typical - 0.7 dB max.
LO Initial Accuracy	+/- 1.0 MHz max.
LO Temperature Drift	+/- 2.0 MHz max.
Phase Noise @ 10KHz)	-90 dBc/Hz max.
Conversion Gain	60 dB min.
Gain Ripple	+/- 0.50 dB/36 MHz
Gain Variation	+/- 4 dB
Image Rejection	50 dB min.
1 dB Compression Point @ Output	0.0 dBm min.
Cross Talk	23 dB min.
Control Signals Ca (V)	11.0~14.0 V
Control Signals Cb (H)	16.0~20.0 V
Control Signals Cc (Band Switching)	22 KHz +/- 4 KHz
Output VSWR	2.5 : 1
Radiated Interference	-50 dBm max.
DC Power	130mA max.
Working Temperature	-40°C ~ +60°C
Output Impedance (Connected to STB)	75Ω
Output Connector	F-type (female)



**MUL-SINGLE-LNB-.5**

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