

Universal Ku-Band LNB

This universal LNB is designed for satellite broadcast reception by DTH operators. It offers full Ku-Band coverage for both analog and digital signals and supports 4K Ultra HD transmissions.



ADDITIONAL IMAGES



Overview

Professional Ku-Band Solution

This high-performance Universal Ku-Band LNB is an essential solution for DTH operators and advanced satellite broadcast reception. Designed to support 4K Ultra HD transmissions, it ensures full coverage of the Ku-Band for both analog and digital signals. With its low noise figure and high gain, this unit provides reliable, high-quality performance in diverse environmental conditions.

Frequency Specifications

Frequency Metrics

Parameter	Range/Value
Input Frequency Range	11.70~12.75 GHz
Output Frequency Range	950~2000 MHz
L.O. Frequency	10.75 GHz

Performance

Signal Performance

20 dB

POL. Isolation

40 dB

Image Rejection

Stability and Gain

- Gain Flatness: $\pm 0.5\text{dB}/27\text{MHz}$
- L.O. Frequency Stability: $\pm 1.0\text{MHz}$ (Max) at $+25^\circ\text{C}$
- L.O. Frequency Stability: $\pm 2.0\text{MHz}$ (Max) at -30°C to $+70^\circ\text{C}$
- Output VSWR: 2.0:1 (Typ.)

Application

Key Features

4K Ultra HD Support, Analog & Digital Reception, High Gain, Low Noise