

Elliptical Single LNB Satellite Receiver Downconverter

The Elliptical Single LNB is a high-performance low-noise block downconverter designed for satellite TV reception. It features an elliptical feedhorn for optimized signal capture and a single output for connecting to a satellite receiver.



Product Overview

High-Performance Satellite Reception

This elliptical single LNB downconverter is engineered for high-quality satellite TV reception, designed to convert Ku-band satellite signals to the L-band frequency range. Featuring an elliptical feedhorn for optimized signal capture, it ensures reliable performance and excellent signal quality across various weather conditions. Its durable construction makes it suitable for long-term outdoor installation with standard satellite receiver interfaces.

Frequency Specifications

Input Frequency	10.7 ~ 12.75 GHz
Output Frequency	950 ~ 2150 MHz
L.O. Low Band	9.75 GHz
L.O. High Band	10.6 GHz

Performance Metrics

Key Performance Metrics

0.1 dB

Noise Figure

56 dB

Conversion Gain

Gain Flatness (any 27MHz)	±0.5 dB
Cross Polarization Isolation	20 dB
Image Rejection	40 dB