

C-Band Dual Polarity LNBF

This C-Band dual polarity LNBF is designed for satellite communication systems. It supports dual polarity, enabling reception of both vertically and horizontally polarized signals, and features a single output for simplified connectivity.



Overview

Professional C-Band LNBF

This C-Band Dual Polarity LNBF is engineered for reliable signal reception in satellite communication systems. Designed to operate across the 3.4-4.2 GHz input frequency range, it supports both vertical and horizontal polarities for versatile signal acquisition. With a low noise figure of 17°K and robust conversion gain, this unit ensures high-quality performance for broadcast, data transmission, and VSAT network applications.

Frequency & Performance

Noise Figure

17 °K

Noise Temperature

L.O. Phase Noise

Offset	Noise Level
1 KHz	-55 dBc/Hz
10 KHz	-85 dBc/Hz
100 KHz	-105 dBc/Hz

Input Frequency	3.4-4.2 GHz
Local Oscillator Frequency	5.15 GHz
Conversion Gain	65 dB

Electrical & Connectivity

Connectors

- RF Input: Waveguide WC-229
- IF Output: F-Type Female

DC Supply Voltage	11-14.5 V (Vertical), 15.5-22 V (Horizontal)
Output Impedance	75 Ohms

Environmental

Operating Conditions

-40°C to +70°C • 0% to 95% Humidity