

# C-Band Dual Polarity LNBF

This C-Band dual polarity LNBF is designed for satellite communication systems. It receives C-band signals and converts them to a lower frequency for transmission to a satellite receiver.



## Overview

### C-Band Dual Polarity LNBF

The DP09 C-Band Dual Polarity LNBF is a high-performance component designed for satellite communication systems. It efficiently receives C-band signals and converts them to a lower frequency for transmission to a satellite receiver. With dual polarity support, it enables simultaneous reception of both vertical and horizontal polarized signals, making it an ideal choice for reliable satellite TV and data communication applications.

## Performance Metrics

### Conversion Gain

**65 dB**

Conversion Gain

Noise Figure	17°K
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## Frequency Specifications

Input Frequency	3.4-4.2 GHz
L.O. Frequency	5.15 GHz
Output Frequency	950-1750 MHz

## Electrical Specifications

### DC Supply Voltage

Polarity	Voltage Range
Vertical (V)	11-14.5 V
Horizontal (H)	15.5-22 V

Supply Current	130 mA
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## Connectivity

RF Input Connector	Wave Guide WC-229
IF Output Connector	F Type Female

## Environmental

Operating Temperature	-40°C to +70°C
Relative Humidity	0% - 95%