C-Band Dual Polarity LNBF

This C-Band Dual Polarity Low Noise Block Feedhorn (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. It features dual polarity switching and a single output, simplifying installation and reducing cable requirements.

Overview

Professional C-Band Dual Polarity LNBF

This C-Band Dual Polarity LNBF is engineered for high-performance satellite communication systems, providing reliable signal reception and frequency conversion. Designed to operate across a wide temperature range, it ensures stability and durability in demanding environmental conditions. With dual polarity switching and a simplified single-output design, this unit streamlines installation while maintaining high signal integrity for professional satellite receiver setups.

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

Connectivity & Power

RF Input Connector	Waveguide WC-229
IF Output Connector	F-Type Female
DC Supply Voltage	11-14.5V (Vertical), 15.5-22V (Horizontal)
Max Supply Current	130 mA

Environmental

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