



Pro

Single C+Ku Band Linear LNB with Scalar Ring IDLPSNSKCO-OOPRO-OPH

Item: 5941

Addressing the global satellite TV markets, this LNB provides optimized reception capabilities for DTH services operating in the C-band and/or Ku-band. It enables the reception from one satellite and distribution of the received signal over a single cable to a single tuner Set-top box. It is ready for High Definition transmissions and provides excellent noise figure and cross polarization isolation performances. A short RF lead is supplied to connect the Ku output port to the input port of a built-in DiSEqC switch.

The LNB outputs over a single cable either the C-band signals or the Ku-band signals based on the DiSEqC command received from the set-top-box (C-band = port A, Ku-band = port B).

Manufactured to the highest industry quality standards and designed to meet strict specifications, this LNB is an ideal solution for receiving hybrid satellite TV services provided over C-band and/or Ku-band worldwide.

Main Features:

- Low Phase-Noise
- DVB-S2 (HDTV) compliant
- Low Noise-Figure
- Low Power Consumption
- High Cross Polarization Isolation



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4G

4K
Ultra HD

Technical data

Input frequency range	C-band: 3.4 GHz ~ 4.2 GHz (V/H) Ku-band: 10.7 GHz ~ 12.75 GHz (V/H)
Output frequency range	C-band: 950 MHz ~ 1750 MHz (V/H switchable) Ku-band: 950 MHz ~ 2150 MHz (V/H switchable)
LO frequency	C-band: 5.15 GHz Ku-band: 9.75/10.6 GHz
Noise figure	C-band: 13°K max. Ku-band: 0.7 dB max.
LO temperature drift	±2.0 MHz (-30°C ~ +60°C)
LO Initial accuracy	±1.0 MHz
Polarization	Linear, Horizontal & Vertical
LO phase noise @ 10 kHz	-90 dBc / Hz
Conversion gain	55 dB ~ 68 dB
Gain ripple (over 26 MHz bandwidth)	±1 dB
Gain variation (over full band)	±4 dB
Image rejection	40 dB min.
1 dB compression point (@ output)	0 dBm min.
Cross polarization isolation	18 dB min.
Control signal Ca (V)	11V ~ 14V
Control signal Cb (H)	16V ~ 20V
Control signal Cc (band switching)	0/22 kHz
DiSEqC A input	C-band
DiSEqC B input	Ku-band
Output VSWR	2.5 : 1
In band spurious level	-60 dBm max.
Current consumption	100 mA max. (11V ~ 20V)
Operating temperature	-25°C ~ +60°C
Output impedance	75 Ω
Output connector type	F-Type
Weight	400 g

Logistical info

Packaging dimensions (h x w x d)	16.5 cm x 10 cm x 27.2 cm
Packaging weight	0,6 kg
Quantity per carton	20 pcs
Carton dimensions (h x w x d)	71.8 cm x 36.4 cm x 22 cm
Carton weight	13.5 kg
Quantity per pallet	400 pcs

