Data sheet

OFFEL
Sistemi di ricezione TV e SAT

Optical LNB

FO series

art. 19-001
FO-LNB

SAT
CONN. FC/PC
CONN. F
OUTDOOR

These LNB allow the reception of 4 polarizations of a satellite and converting them into a single working band (950MHz a 5,45GHz), thus obtaining an output optical signal.

It is equipped with two connectors:

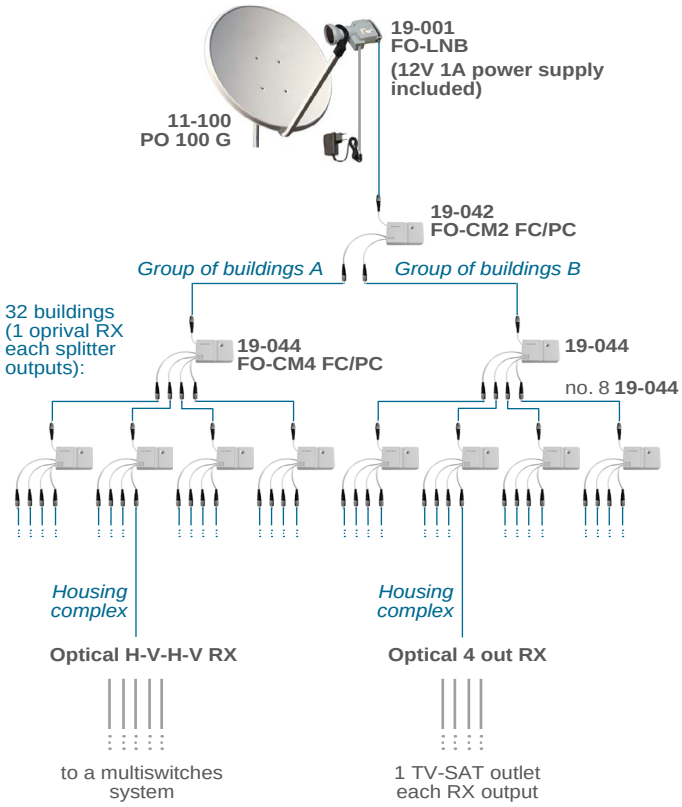
- no. 1 FC/PC optical output connector, where are the signals converted from optical to electric, (working window: 1310 nm);
- no. 1 screw F type connector, for the power supply.

This optical LNB allows to connect up to 32 optical receivers, located within a 10km radius.
Each of this optical receivers will be a SAT signal source that can be distributed to up to 4 STBs per oprical receiver or to a multiswitch system, in case of large dimension system.

The included 12V 1A power supply is equipped with a screw F type connector that can be connected to the LNB via coaxial cable (not supplied).

Code		19-001
Item		**FO-LNB**
No. of optical outputs		1
Optical output connector		FC/PC
Power supply connector		screw F type
Input frequency range	MHz	10700 ~ 12750
Output frequency range	MHz	950 ~ 54500
Output impedance	Ω	75
Wavelength	nm	1310 ±20
Optical output level	dBm	7 ±2
Noise figure typ.	dB	0,7
Noise figure max	dB	1,3
Output gain	dB ±2	72 max ; 62 min
Gain variation	dB	5
Image rejection	dB	40
Cross polarization isolation	dB	30 typ. ; 23 max
Max current consumption @ 12 V	mA	< 450
Supply voltage	Vdc	12
Band spurious	dBc	-25
Optical cabling fibre type		single mode
Fibre class		1M
Feed diameter	mm	40
Dimensions (LxWxH)	mm	173x68x108
Packaging dimensions (LxWxH)	mm	175x68x150
Packaging weight	Kg	0,45
Fit temperature	°C	-30 ÷ +60
Storage temperature	°C	-40 ÷ +70
Compliant to		EN 50083-2:2006 EN61079-1:1993 EN60825-1:2007
EMC legislation		2004/108/EEC
Low voltage legislation		2006/95/EC

Example of application



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