



Universal LNB

1 independent output

art. 13-178 LNB SINGLE PREMIUM



Universal LNB that allows the reception of digital signals of a satellite. Equipped with 1 output. It allows the connection of one independent STB.

Characteristics

- Low phase noise DVB-S2 (HDTV) compliant
- Low noise figure
- Low power consumption
- Very high cross polarization isolation
- Very high frequency stability
- High conversion gain
- Sliding protection for F connector

Code	13-178	
Item	LNB SINGLE PREMIUM	
No. of outputs	1	
Commutation output	13÷18V 0÷22KHz	
Input frequency range	MHz	10700 ~ 12750
Output frequency range	MHz	950 ~ 2150
LO frequency	MHz	9750, 10600
Noise figure	dB	0,2 typ. 0,7 max
LO initial accuracy	MHz	± 1.0 max
LO temperature drift	MHz	± 3.0 max
Phase noise (@10 KHz)	dBc/Hz	- 80 max
Conversion gain	dB	56 min
Gain ripple (over 27 MHz bandwidth)	dB	± 0,6
Gain variation (over full band)	dB	± 3 max
Image rejection	dB	40 min
Cross polarization isolation	dB	22 min
Output VSWR	2.5 : 1	
Radiated interference	dBm	- 50
In-band spurious	dBm	- 60 max
Channel bandwidth	MHz	60
Channel isolation	dB	20 min
Legacy switch voltage control	V	H: 11÷14 V: 16÷20
Tone 22 K	KHz	22 ± 4
Current consumption @ 11-20 V	mA	80
Output impedance	Ω	75
Output connector	screw F-type	
Feed diameter	mm	40
Dimensions (LxWxH)	mm	120x98x70
Packaging dimensions (LxWxH)	mm	130x81x76
Packaging weight	Kg	0,182
Fit temperature	°C	- 35 ÷ + 60
Compliant to	EN 55013, EN 55020	

Example of application

