



Universal LNB

4 H-V-H-V outputs

art. 13-235

LNB H-V-H-V ULTRA

Ideal for 1 IF systems and systems with multiswitches.

Equipped with 4 H-V-H-V separate outputs that allow the reception of digital signals of a satellite.



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 connectors

Code	13-235	
Item	LNB H-V-H-V ULTRA	
No. of outputs	4	
Outputs	HH, VH, HL, VL	
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	- 90 max
Conversion gain	dB	60 min
Gain ripple (over 27 MHz bandwidth)	dB	± 0,75
Gain variation (over full band)	dB	± 4 max
Image rejection	dB	40 min
Cross polarization isolation	dB	22 min
Output VSWR	2.0 : 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: 10÷14 V: 16÷20
Tone 22 K	KHz	22 ± 4
Current consumption @ 11-20 V	mA	200
Output impedance	Ω	75
Outputs connectors	screw F-type	
Feed diameter	mm	40
Dimensions (LxWxH)	mm	140x114x74
Packaging dimensions (LxWxH)	mm	145x120x82
Packaging weight	Kg	0,344
Fit temperature	°C	- 30 ÷ + 60
Compliant to	EN 55013, EN 55020	

Example of application

