



## Universal LNB

1 independent output

### art. 13-170 LNB SINGLE WHITE



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
- Sliding protection for F connectors

| Code                            | 13-170                     |                                                           |
|---------------------------------|----------------------------|-----------------------------------------------------------|
| Item                            | LNB SINGLE WHITE           |                                                           |
| No. of outputs                  | 1                          |                                                           |
| Input frequency range           | MHz                        | Low band:<br>10700 ~ 11700<br>High band:<br>11700 ~ 12750 |
| Output frequency range          | MHz                        | Low band:<br>950 ~ 1950<br>High band:<br>1100 ~ 2150      |
| Output VSWR                     | 2,5:1                      |                                                           |
| Oscillator frequencies          | MHz                        | 9750, 10600                                               |
| Max frequency stability         | ± 1 MHz                    |                                                           |
| Frequency phase noise @ 1 KHz   | dBc/Hz                     | -65                                                       |
| Frequency phase noise @ 10 KHz  | dBc/Hz                     | -80                                                       |
| Frequency phase noise @ 100 KHz | dBc/Hz                     | -95                                                       |
| Output gain                     | dB                         | 60 typ.                                                   |
| Gain Variation                  | dB                         | 5 typ.                                                    |
| Gain Flatness                   | dB                         | ± 0.5dB typ.                                              |
| Noise Figure (typ.)             | dB                         | Low band: 0,1<br>High band: 0,1                           |
| Min. image rejection            | dB                         | 40                                                        |
| Cross polarization              | dB                         | 25 typ.                                                   |
| Legacy switch voltage control   | H: 16÷19 V<br>V: 11,5÷14 V |                                                           |
| Tone 22 K                       | KHz                        | 0/22                                                      |
| Current consumption             | mA                         | 110                                                       |
| Impedance                       | Ω                          | 75                                                        |
| Outputs connector               | screw F-type               |                                                           |
| Feed diameter                   | mm                         | 40                                                        |
| Dimensions (LxWxH)              | mm                         | 80x60x60                                                  |
| Packaging dimensions (LxWxH)    | mm                         | 82x65x70                                                  |
| Packaging weight                | Kg                         | 0,102                                                     |
| Fit temperature                 | °C                         | - 40 ÷ + 60                                               |
| Compliant to                    | EN 55013, EN 55020         |                                                           |

#### Example of application

