



Mono

Single Monoblock 23mm LNB 6° for 80cm dish with 40mm adaptor 13°E (SAT A) + 19.2°E (SAT B) IDLM-SIM410-MN006-8PX

ltem: 6043

Specifically designed for the European DTH markets, this Monoblock LNB allows for dual satellite reception from orbital positions $13^{\circ}E$ and $19.2^{\circ}E$ over a single 80cm offset satellite dish antenna with F/D = 0.6 and their distribution to one satellite receiver.

The LNB receives satellite broadcasts with horizontal and vertical polarizations within the 10.7 \sim 12.75 GHz frequency range. It provides a single universal output port with 950 \sim 2150 MHz IF frequency range. The output F-type port carries also power supply and control signals. DiSEqC 1.0 commands allow selecting the orbital satellite position. As long as no DiSEqC command has been received, the default feed is the "Sat A" position (i.e. 13°E). Polarization (vertical/horizontal) and band (low/high) are selected using 13/18VDC and 0/22kHz control signals.

The LNB is optimized for Ultra High Definition (4K/8K) transmissions and provides excellent Cross polarization isolation, Phase Noise and Noise Figure performances. Designed to meet strict specifications and manufactured to the highest industry quality standards, this LNB is an ideal solution for satellite broadcast reception of Hotbird 13°E and Astra 19.2°E across Europe.

The LNB is supplied with a 40 mm plastic ring adaptor to allow mounting onto a standard 40mm LNB holder.

Main Features:

- Low Phase Noise, DVB-S2 (HDTV) compliant
- Low Noise Figure
- Low Power consumption
- Very high Cross Polarization Isolation
- Very high Frequency stability







Technical data

Low band input frequency range Low band output frequency range Low band LO frequency High band input frequency range High band output frequency range High band LO frequency Noise figure LO frequency accuracy @ 25° C LO temperature drift LO phase noise @ 1 kHz LO phase noise @ 10 kHz LO phase noise @ 100 kHz Conversion gain Gain ripple (over 26 MHz bandwidth) Gain variation (over full band) Image rejection 1 dB compression point (@ output) Cross polarization isolation Control, Satellite selection

Control, Polarization and band selection

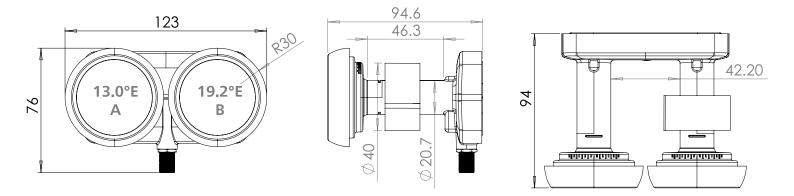
Output VSWR In band spurious level Current consumption Operating temperature Output impedance Output connector type Dish size Weight

Logistical info

Packaging dimensions (h x w x d) Packaging weight Quantity per carton Carton dimensions (h x w x d) Carton weight Quantity per pallet

10.7 GHz ~ 11.7 GHz 950 MHz ~ 1950 MHz 9.75 GHz 11.7 GHz ~ 12.75 GHz 1100 MHz ~ 2150 MHz 10.6 GHz 0.6 dB typ., 1.0 dB max. ±0.5 MHz max. +1 MHz max. -60 dBc/Hz -80 dBc/Hz -90 dBc/Hz 58 dB ~ 68 dB ±0.75 dB max. 6 dBpp max. 50 dB min. 0 dBm min 22 dB min. DiSEqC 1.0: Sat A* = Hotbird 13°E, Sat B = Astra 19.2°E * Default Satellite Reception Horizonatal polarization: 18 VDC Vertical polarization: 13 VDC Low band: 0 kHz High band: 22 ±4kHz 2.0 : 1 max. -65 dBm max. 120 mA max. per port (10 VDC ~ 20 VDC) -30 °C ~ +60 °C 75 O F-Type (female) 80 cm (F/D = 0.6)225 g

12,8 cm x 80 cm x 10.2 cm 0,27 kg 50 pcs 53,4 cm x 27,5 cm x 42 cm 14,1 kg 1600 pcs



For purpose of brevity, some product descriptions in this sheet remain at platform level and may not be referred to as detailed datasheets of the products. Inverto Digital Labs reserves the right to amend, omit or add products, product-lines, and / or features without notice.

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