



Pro

Quad Monoblock 23mm LNB 3° for 80cm dish with 60mm adaptor 13°E (SAT A) + 16°E (SAT B) IDLM-QDM610-MN003-8PN

Item: 6050

Specifically designed for the European DTH markets, this Monoblock LNB allows for dual satellite reception from orbital positions 13° E and 16° E over a single 80cm offset satellite dish antenna with F/D = 0.6 and their distribution to up to four independant receivers.

The LNB receives satellite broadcasts with horizontal and vertical polarizations within the $10.7 \sim 12.75$ GHz frequency range. It provides four universal output ports 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 of 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 performance. 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 Eutelsat 16°E across Europe.

The LNB is supplied with a 60 mm plastic ring adaptor to allow mounting onto a standard 60mm LNB holder.







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 (W x D x H)

Packaging weight

Quantity per carton

Carton dimensions (W x D x H)

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

1 0 dB max

±0.5 MHz max.

±1 MHz max.

-60 dBc/Hz

-80 dBc/Hz

-90 dBc/Hz

55 dB ~ 65 dB min.

±0.5 dB max.

5 dBpp max.

50 dB min.

0 dBm min.

22 dB min.

DiSEqC 1.0: Sat A^* = Hotbird 13°E, Sat B = Eutelsat 16°E

* Default Satellite Reception

Horizonatal polarization: 18 VDC

Vertical polarization: 13 VDC

Low band: 0 kHz High band: 22 ±4kHz

2.0 : 1 max. -60 dBm max.

250 mA max. (10 VDC ~ 20 VDC)

-30 °C ~ +60 °C

75 Ω

F-Type (female)

80 cm (F/D = 0.6)

302 g

11,8 cm x 10,8 cm x 9,6 cm

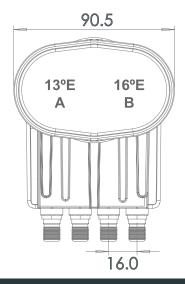
0,414 kg

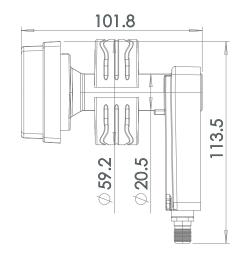
32 pcs

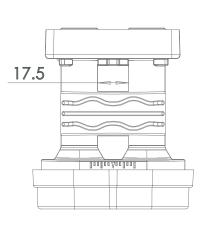
49 cm x 40,5 cm x 23,5 cm

0.7 kg

1024







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.