



Pro

**Single Triple-feed Monoblock 23mm LNB for 85cm dish with 40mm adapter
13°E (SAT B) + 16°E (SAT A) + 19.2°E (SAT C)
IDLMSINM410-TRPMN-8PN**

Item: 6053

This Triple Feed LNB is a monoblock LNBF for Ku-band satellite reception from orbital positions 13°E, 16°E and 19.2°E in Central European countries. It is intended to be installed with commercially available 85cm offset satellite dish antennas with F/D = 0.6.

The LNB receives satellite broadcasts with horizontal and vertical polarizations within the 10.7 ~ 12.75 GHz frequency range. It provides one switchable IF port with 950 ~ 2150 MHz output frequency range. The output F-type port carries also power supply and control signals. DiSEqC 1.0 commands allow switching the output to a particular band and orbital satellite position.

The DiSEqC satellite positions are the following: "Sat A" corresponds to 16°E (the middle feed), "Sat B" to 13°E and "Sat C" to 19.2°E. As long as no DiSEqC command has been received, the default feed is of the "Sat A" position (i.e. 16°E). The LNB comprises three feeds, one for each satellite orbital position.

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

The DiSEqC positions (A/B/C) and the respective orbital positions (16°E/13°E/19.2°E) are marked on the LNB housing.

23→40
mm

Triple

85
cm

4K
Ultra HD

4G



Technical data

Low band input frequency range	10.7 GHz ~ 11.7 GHz
Low band output frequency range	950 MHz ~ 1950 MHz
Low band LO frequency	9.75 GHz
High band input frequency range	11.7 GHz ~ 12.75 GHz
High band output frequency range	1100 MHz ~ 2150 MHz
High band LO frequency	10.6 GHz
Conversion gain	55 dB ~ 65 dB min.
Gain variation (over full band)	6 dBpp max.
1 dB compression point (@ output)	0 dBm min.
Noise figure	1.0 dB max.
LO Initial accuracy	±0.5 MHz max.
LO temperature drift	±1.0 MHz max.
LO phase noise @ 1 kHz	-60 dBc/Hz
LO phase noise @ 10 kHz	-80 dBc/Hz
LO phase noise @ 100 kHz	-90 dBc/Hz
Cross polarization isolation	22 dB min.
In band spurious level	-60 dBm max.
Control, Satellite A/B/C Selection	DiSEqC 1.0: Sat A* = Eutelsat 16°E (middle feed), Sat B = Hotbird 13°E, Sat C = ASTRA 19.2°E (*Default Satellite Reception)
Control, Polarization and band selection	Horizontal polarization: 18 VDC Vertical polarization: 13 VDC Low band: 0 kHz High band: 22 ±4 kHz 2.5 : 1 max.
Output VSWR	150 mA max. (10 VDC ~ 20 VDC)
Current consumption	-30 °C ~ +60 °C
Operating temperature	75 Ω (F-type)
Output impedance	F-Type (female)
Output connector type	85 cm
Recommended Dish Size	F/D = 0.6
Dish F/D ratio	335 g
Weight	

Logistical info

Packaging dimensions (W x D x H)	13,7 cm x 8,5 cm x 10,8 cm
Packaging weight	0,375 kg
Quantity per carton	32 pcs
Carton dimensions (W x D x H)	45 cm x 36 cm x 29,5 cm
Carton weight	0.7 kg
Quantity per pallet	1152 pcs

