



## Pro

## Single High-Band 40mm LNB (LO10.75 GHz) IDLP-SINS410-H1075-OPN

Item: 5786

Specifically designed for DTH operators utilizing set top boxes with a 10.75GHz LO setting, this LNB provides optimized reception performance for high band frequencies in both horizontal or vertical polarizations. The LNB fully supports DVB-S2 and UD/UHD broadcasts and provides excellent cross polarization isolation and Noise Figure performances. It enables the reception of satellite signals from one satellite and their distribution to a single tuner Set-top box. Manufactured to the highest quality standards and delivering high performance at low power, compact and a super cost efficient design make this LNB an ideal solution for DTH operators worldwide having their service over the high band frequency range.

## Main Features:

- LO frequency 10.75 GHz
- Low phase noise and low noise figure
- DVB-S2 HD/UHD compliant
- Low power consumption
- High Cross-Pole performance
- High frequency stability







## Technical data

High band input frequency range
High band output frequency range

High band LO frequency

Noise figure

LO frequency accuracy @ 25° C LO temperature drift @ 25° C

LO phase noise @ 10 kHz

Conversion gain

Gain ripple (over 26 MHz bandwidth)

Gain variation (over full band)

Image rejection

3th order intermodulation - ICP3 1 dB compression point (@ output)

Cross polarization isolation Control signal Ca (V) Control signal Cb (H)

Output VSWR In band spurious level Current consumption

Operating temperature
Output impedance
Output connector type

Weight

11.7 GHz ~ 12.75 GHz 950 MHz ~ 2000 MHz

10.75 GHz

0.6 dB typ. (0.9 dB max.)

±600 kHz ±1.0 MHz max. -80 dBc/Hz 55 dB min. ±0.75 dB

±3 dB max. 40 dB min. 10 dBm min.

0.0 dBm min., >3 dBm typ. 23 dB min., 25 dB typ. 11.0 V ~ 14.0 V 16.0 V ~ 20.0 V

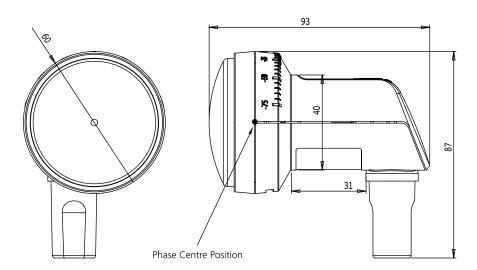
2.5 : 1

-60 dBm max.

100 mA max. (11 VDC ~ 20 VDC)

-25 °C  $\sim$  +60 °C 75  $\Omega$  (F-type) F-Type (female)

75 g



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