



Pro

Single High-Band 40mm LNB (LO10.75 GHz) IDLPSINS410-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	11.7 GHz ~ 12.75 GHz
High band output frequency range	950 MHz ~ 2000 MHz
High band LO frequency	10.75 GHz
Noise figure	0.6 dB typ. (0.9 dB max.)
LO frequency accuracy @ 25° C	±600 kHz
LO temperature drift @ 25° C	±1.0 MHz max.
LO phase noise @ 10 kHz	-80 dBc/Hz
Conversion gain	55 dB min.
Gain ripple (over 26 MHz bandwidth)	±0.75 dB
Gain variation (over full band)	±3 dB max.
Image rejection	40 dB min.
3th order intermodulation - ICP3	10 dBm min.
1 dB compression point (@ output)	0.0 dBm min., >3 dBm typ.
Cross polarization isolation	23 dB min., 25 dB typ.
Control signal Ca (V)	11.0 V ~ 14.0 V
Control signal Cb (H)	16.0 V ~ 20.0 V
Output VSWR	2.5 : 1
In band spurious level	-60 dBm max.
Current consumption	100 mA max. (11 VDC ~ 20 VDC)
Operating temperature	-25 °C ~ +60 °C
Output impedance	75 Ω (F-type)
Output connector type	F-Type (female)
Weight	75 g

