



Pro

Single Full-Band Circular 40mm LNB IDL-P-TNR410-FBAND-OPN

Item: 5828

Specifically designed for the European DTH markets, this LNB provides optimized reception capabilities for receiving circular satellite broadcasts. It enables the reception of signals from one satellite and its distribution to a single tuner Set Top Box. It fully supports Ultra High Definition broadcasts and provides excellent Noise Figure, Cross-polarization isolation and Phase noise performances. Designed to meet strict specifications and manufactured to the highest industry quality standards, this LNB is an ideal solution for receiving satellite broadcasts with circular polarization across Europe.

Main Features:

- Low Phase-Noise
- DVB-S2 (HDTV) compliant
- Low Noise-Figure
- Low Power Consumption
- High Cross Polarization Isolation
- High Frequency Stability



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
Noise figure	0.7 dB max.
LO temperature drift	±1.0 MHz max.
LO Initial accuracy	±600 kHz max.
Polarization	Circular
LO phase noise @ 1 kHz	-70 dBc / Hz max.
LO phase noise @ 10 kHz	-80 dBc / Hz max.
LO phase noise @ 100 kHz	-90 dBc / Hz max.
LO phase noise @ 1 MHz	-95 dBc/Hz
Conversion gain	55 dB min.
Gain ripple (over 26 MHz bandwidth)	±0.75 dB
Gain variation (over full band)	±4 dB max.
Image rejection	40 dB min.
3th order intermodulation - ICP3	10 dBm min.
1 dB compression point (@ output)	0 dBm min.
Cross polarization isolation	18 dB min.
Control signal Ca (V)	10.0 V ~ 14.0 V
Control signal Cb (H)	16.0 V ~ 20.0 V
Control signal Cc (band switching)	22 ±4 kHz
Output VSWR	2.5 : 1
In band spurious level	- 60 dBm max.
Output return loss	10 dB min.
Current consumption	110 mA max. (11 VDC ~ 20 VDC)
Operating temperature	-35 °C ~ +60 °C
Output impedance	75 Ω
Output connector type	F-Type (female)
Weight	195 g

