



Pro

Single High-Band Circular 40mm LNB (LO10.75 GHz) IDLP-SNR410-H1075-OPX

Item: 5651

Specially designed for the European DTH markets, this LNB provides optimized reception capabilities for receiving high band circular polarized signals. It embeds a 10.75 GHz LO for easy connectivity with any Set-top box supporting a 10.75 GHz LO settings. The LNB fully supports high definition broadcasts and provides excellent noise figures performance. It enables the reception of signals from one satellite and its distribution to a single tuner Set-top box. Designed to meet strict specifications and manufactured to the highest industry quality standards, this LNB is an ideal solution for receiving circularly-polarized satellite broadcasts across Europe.

Main features:

- LO frequency 10.75 GHz
- Low phase noise
- HDTV-DVB-S2 compliant
- Low noise figure
- Low power consumption
- High cross-polarization isolation
- High frequency stability



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High Band 

←40→
mm

4G

4K
Ultra HD

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	0.8 dB typ.
LO temperature drift	±2 MHz
LO initial accuracy @ 25° C	±1 MHz
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.
Conversion gain	55 dB ~ 65 dB
Gain ripple (over 26 MHz bandwidth)	±1 dB
Gain variation (over full band)	±3 dB
Image rejection	40 dB min.
1 dB compression point (@ output)	0.0 dBm min.
Cross polarization isolation	18 dB min.
Polarization selection - LHCP	10.5 V ~ 14.5 V
Polarization selection - RHCP	15.5 V ~ 21.0 V
Output VSWR	2.0 : 1
In band spurious level	-60 dBm max.
Current consumption	100 mA max. @ 10.5 V ~ 21.0 V
Operating temperature	-30 °C ~ +60 °C
Output impedance	75 Ω
Output connector type	F-Type (female)
Weight	90 g

Logistical info

Packaging dimensions (W x D x H)	10.7 cm x 6.2 cm x 6.8 cm
Packaging weight	0.1 Kg
Quantity per carton	100 pcs
Carton dimensions (W x D x H)	45.5 cm x 32.5 cm x 36.5 cm
Carton weight	11.2 Kg
Quantity per pallet	2000 pcs

