



Pro

Quad High-Band Circular 40mm LNB (LO10.75 GHz)

IDLP-QDR410-H1075-OPX

Item: 5653

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 four single tuner Set-top boxes (or two twin tuner STBs). 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 min.
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
Current consumption	250 mA max. @ 10.5 V ~ 20.0 V
Operating temperature	-30 °C ~ +60 °C
Output impedance	75 Ω
Output connector type	F-Type (female)
Weight	131 g

Logistical info

Packaging dimensions (W x D x H)	13.3 cm x 6.2 cm x 6.8 cm
Packaging weight	0.16 Kg
Quantity per carton	100 pcs
Carton dimensions (W x D x H)	55.5 cm x 32.5 cm x 36.5 cm
Carton weight	16 Kg
Quantity per pallet	2000 pcs

