Premium

Single Universal 40mm PLL LNB
IDLP-SNL410-PREMU-OPN
Item: 5445

Specifically designed and selcted to address the demand of the global DTH market for a competitive and 4G/LTE protected solution, this LNB provides optimized reception capabilities using the latest chipset technology and waveguide design for satellite signal reception. It enables the reception of satellite TV and radio from a single satellite and its distribution to a single tuner Set-top box. The LNB supports HD and UHD transmissions, delivers one-of-a-kind RF performances, very low power consumption and importantly engineered to mitigate interferences from 4G/LTE transmissions. Manufactured to the highest industry quality standards and engineered to meet strict specifications, this LNB is an ideal solution for the demanding customer of DTH operators and satellite broadcast reception across the world.

Main Features:

- Low Phase Noise, DVB-S2 (HD and UHD) compliant
- Very low Noise Figure
- Low power consumption
- High Cross Polarization Isolation
- High Frequency stability

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HsQuare Technology

←40→ mm

ULN+ Ultra Low Noise Technology

4G

4K Ultra HD

Technical data

Input frequency range	10.7 GHz ~ 12.75 GHz
Output frequency range	950 MHz ~ 2150 MHz
Low band LO frequency	9.75 GHz
High band LO frequency	10.6 GHz
Noise figure	0.2 dB typ. (0.7 dB max.)
LO frequency accuracy @ 25 °C	±500 kHz max.
LO temperature drift	±1.0 MHz max.
LO phase noise @ 10 kHz	-80 dBc/Hz max.
Conversion gain	56 dB min.
Gain ripple (over 26 MHz bandwidth)	±0.6 dB
Gain variation (over full band)	±3 dB
Image rejection	40 dB min.
3th order intermodulation - ICP3	10 dBm min.
1 dB compression point (@ output)	0 dBm min.
Cross polarization isolation	22 dB min.
Control signal Ca (V)	11.0 V ~ 14.0 V
Control signal Cb (H)	16.0 V ~ 20.0 V
Control signal Cc (band switching)	22 kHz ±4 kHz , 0.4 V ~ 0.8V pp
Output VSWR	2.5 : 1
In band spurious level	-60 dBm max.
Current consumption	80 mA max. @ 11 VDC ~ 20 VDC
Operating temperature	-35 °C ~ +60 °C
Output impedance	75 Ω
Output connector type	F-type (female)
Dish F/D ratio	0.6
Weight	136 g

Logistical info

Packaging dimensions (W x D x H)	13.1 cm x 8.1 cm x 7.6 cm
Packaging weight	0.182 kg
Quantity per carton	100 pcs
Carton dimensions (W x D x H)	67.5 cm x 42.5 cm x 32.5 cm
Carton weight	19.4 kg
Quantity per pallet	24 ctns/plt

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