Lnb-kudxx v1

LNB-KuDxx v1 is a DRO LNB with single local oscillator and single 75Ohm F-type output. LO instability ± 2 MHz, Gain 58dB, Noise figure 0.9 dB, Output power P1dB +5 dBm.

The Low Noise Block Down Converter LNB-KuDxx v1 is designed for gaining and transforming the RF signals from Ku-band to L-band intermediate frequencies. This block has a waterproof case and can be mounted in close proximity to the antenna. LNB's parameters correspond to MVDS/MITRIS TV broadcasting systems requirements and are fully compatible with DVB-S/S2 or DVB-C standards. LNB can operate up to 25 carriers. LNB-KuDxx v1 has PBR120 input flange and can be used with regular RRL or recieving antennas.

This LNB can be supplied with next frequency values of the Local Oscillator:

- **LO** 8.80 GHz **IN**: 9.75 - 10.75 GHz **OUT**: 950 - 1950 MHz
- **LO** 9.75 GHz **IN**: 10.70 - 11.70 GHz **OUT**: 950 - 1950 MHz
- **LO** 9.80 GHz **IN**: 10.75 - 11.75 GHz **OUT**: 950 - 1950 MHz
- **LO** 10.00 GHz **IN**: 10.95 - 11.95 GHz **OUT**: 950 - 1950 MHz
- **LO** 10.60 GHz **IN**: 11.55 - 12.55 GHz **OUT**: 950 - 1950 MHz
- **LO** 10.75 GHz **IN**: 11.70 - 12.70 GHz **OUT**: 950 - 1950 MHz
- **LO** 10.80 GHz **IN**: 11.75 - 12.75 GHz **OUT**: 950 - 1950 MHz
- **LO** 11.30 GHz **IN**: 12.25 - 13.25 GHz **OUT**: 950 - 1950 MHz
- **LO** 11.80 GHz **IN**: 12.75 - 13.75 GHz **OUT**: 950 - 1950 MHz
- **LO** 12.80 GHz **IN**: 13.75 - 14.75 GHz **OUT**: 950 - 1950 MHz
- **LO** 13.05 GHz **IN**: 14.00 - 15.00 GHz **OUT**: 950 - 1950 MHz
- **Custom**

KEY FEATURES:

- PBR120 flange input
- Output power: P1dB +5 dBm
- Input frequencies: any 1000 MHz in Ku-band (10 – 15 GHz) by order
- Output frequencies: 950 – 1950 MHz
- Min. gain: 58 dB
- Oscillator type: DRO
- Operates up to 25 carriers
- Designed for operation in MVDS/MITRIS TV broadcasting systems

Input parameters:	
Input Frequency range	11.7– 12.7 GHz (or any 1000 MHz in Ku-band by order)
Input level, max	-53 dBm
Input VSWR, max	2.2
Input interface	Waveguide WR75, Flange PBR120

Local Oscilator:	
LO frequency	10.75GHz (or by order: 8.8; 9.75; 9.8; 10.0; 10.6; 10.75; 10.8; 11.3; 11.8; 12.8; 13.05 GHz)
LO Phase noise:	
@1 kHz	-70 dBc/Hz
@10 kHz	-85 dBc/Hz
@100 kHz	-95 dBc/Hz
LO instability	± 2 MHz
Output parameters:	
Output frequency range	950 - 1950 (or by order)
Output Power @P1dB	+5 dBm
Gain, min	58 dB
Output interface	F-type female
Output impedance	75 Ohm
Output VSWR, max	2
Frequency Response:	
Flatness over Full Band	±2 dB
Flatness over 40MHz Band	±0.75 dB
Spurious:	
Noise Figure (@+25°C)	0.9 dB max
LO leakage, max	-50 dBm
Image rejection, min	60 dB
Power Supply:	
Input voltage	12 VDC – 24 VDC, nominal 18 VDC
Power consumption, max	2 W
Environmental:	
Operating temperature	-30°C to +60°C (-22°F to +140°F)
Storage temperature	-40°C to +80°C (-40°F to +176°F)
Operating humidity	0% - 95%
Mechanical	
Dimensions (W x H x D)	45x42x105 mm
Weight	0.2 kg

Taking into consideration that we (ROKS PrJSC) are developer and system integrator, also do not stop on our technical growth and improvement, know that view of all our devices and equipment including their technical parameters may be different from pictures presented on website and parameters listed on each device webpage.
***Note!** All details customer has to confirm in advance during ordering and before payment. Those parameters that were not specified and / or were not agreed while ordering will be implemented as basic at the discretion of the manufacturer. Each our customer has 1.5 year warranty and 7 year aftersales support for whole range of our products.*