



Lnb-kupxx v1



LNB-KuPxx v1 is a PLL LNB with single local oscillator and single 75Ohm F-type output. LO instability ± 25 kHz, Gain 60dB, Noise figure 0.9 dB, Output power P1dB +3 dBm.

The Low Noise Block Down Converter LNB-KuPxx v1 designed for gain and transform the RF signals from Ku-band to the L-band intermediate frequencies. This block has a waterproof case and could be mounted in close proximity to an antenna. LNB's Parameters correspond to the conditions of MVDS/MITRIS TV broadcasting systems according to standard DVB-S/S2 or DVB-C and could be operates up to 25 carriers. LNB-KuPxx v1 has input flange PBR120 and could be used with regular RRL or receive antennas.

This LNB could be supplied with next value of 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
- **Or by order**

KEY FEATURES:

- Flange PBR120 input
- Output power is P1dB +3 dBm
- Input frequencies any 1000 MHz in Ku-band (10 - 15 GHz) by order
- Output frequencies 950 - 1950 MHz
- Min. gain 60 dB
- Oscillator type PLL
- 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	-57 dBm
Input VSWR, max	2.2
Input interface	Waveguide WR75, Flange PBR120

Local Oscillator:	
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	-75 dBc/Hz
@10 kHz	-85 dBc/Hz
@100 kHz	-95 dBc/Hz
LO instability	± 25 kHz
Output parameters:	
Output frequency range	950 - 1950 (or by order)
Output Power @P1dB	+3 dBm
Gain, min	60 dB
Output interface	F-type female
Output impedance	75 Ohm
Output VSWR, max	2
Frequency Response:	
Flatness over Full Band	±2 dB
Flatness over 27MHz Band	±0.75 dB
Spurious:	
Noise Figure (@+25°C)	0.9 dB max
LO leakage, max	-45 dBm
Image rejection, min	45 dBc
Power Supply:	
Input voltage	12 VDC - 24 VDC, nominal 18 VDC
Power consumption, max	5.25 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)	60x42x126 mm
Weight	0.4 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.