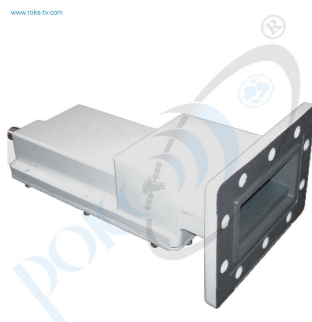




Lnb-cp01 v1



LNB-CP01 v1 is a PLL LNB of C-band with single local oscillator and single 75Ohm F-type output. LO instability ± 10 kHz, Gain 60dB, Noise figure 30K (max), Output power P1dB +3 dBm.

The Low Noise Block Down Converter LNB-CP01 v1 is designed for gain and transform the RF signals from C-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 and could operate with up to 25 carriers. LNB-CP01 v1 has input PDR-40 flange and could be used with regular RRL or receive antennas.

KEY FEATURES:

- Input flange PDR-40
- Output power is P1dB +3 dBm
- Output frequencies 950 - 1750 MHz
- Gain 60 dB (min)
- Oscillator type PLL
- Operates up to 25 carriers
- Designed for operation in MVDS/MITRIS TV broadcasting systems

Input parameters	
Input Frequency	3.4 ... 4.2GHz
Input Interface	WR-229, Flange PDR-40
Input VSWR	2.5:1
Impedance	50 Ohm
Output parameters	
Output Frequency	950 ... 1750 MHz
Output VSWR	2.0:1
Output Interface	F-type (female)
Impedance	75 Ohm
Local frequency	
LO frequency	5.15 GHz
LO instability	± 2 to ± 50 kHz (room temp.) ± 10 to ± 100 kHz (over room temp.)
LO Phase noise:	
@1kHz	-65dBc/Hz

@10kHz	-80dBc/Hz
@100kHz	-95dBc/Hz
@1MHz	-110dBc/Hz
Characteristics	
Gain	60 dB typ.
Flatness	± 2 dB @ full band
Ripple	± 0.75 dB @ 30 MHz
Variation	± 2 dB max
Noise figure	30K max
P1dB	+3 dBm
Image rejection	45 dB min
Power Supply	
Input voltage	+12 V ... + 24 V DC
Required current	300 mA max
Environmental	
Operating temperature	-30°C to +60°C
Storage temperature	-40°C to +80°C
Operating humidity	0% - 95% RH
Mechanical	
Dimensions (W x H x D)	98x70x138 mm
Weight	0.645 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.