



## Lnb-kupxxA v1



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Ku-band PLL LNB with AGC is professional LNB intended for using in complicated and highly important wireless links. AGC LNB can be a source of signal for repeater or studio where stability of signal is quite important. It has huge dynamic range for input signal - up to 50 dB, which you will not find at any other LNB. AGC range is 20 dB and option of manual level adjustment allows you to get exactly needed signal level at the LNB output.

### KEY FEATURES:

- huge dynamic range for input signal - up to 50 dB (which you will not find at any other LNB)
- AGC range is 20 dB
- option of manual level adjustment (allows you to get exactly needed signal level at the LNB output)

Input parameters:	
Input Frequency range	800-1000MHz at Ku-band
Input level range	- 47.44 ... - 27.44 dBm
Input signal nominal level	- 37.44 dBm
Input VSWR, max	1.8
Input interface	Waveguide WR75, Flange UBR120
Local Oscillator:	
LO frequency	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:	
@10 kHz	-90 dBc/Hz
LO instability	± 25 kHz
Output parameters:	
Output frequency range	950 – 1750 MHz (or by order)
Output Power @P1dB	0 dBm
Gain, min	34 dB
Output interface	N-type female

<b>Output impedance</b>	50 Ohm
<b>Output VSWR, max</b>	1.8 : 1
<b>Frequency Response:</b>	
<b>Flatness over Full Band</b>	3 dB
<b>Flatness over 27MHz Band</b>	0.5 dB
<b>Spurious:</b>	
<b>Noise figure given to the input, no more</b>	5.0 dB
<b>LO leakage, max</b>	-50 dBm
<b>Image rejection, min</b>	60 dBc
<b>Power Supply:</b>	
<b>Input voltage</b>	15 VDC – 30 VDC, nominal 18 VDC
<b>Power consumption, max</b>	5 W
<b>Environmental:</b>	
<b>Operating temperature</b>	-40°C to +60°C (-40°F to +140°F)
<b>Storage temperature</b>	-40°C to +80°C (-40°F to +176°F)
<b>Operating humidity</b>	0% - 95%
<b>Mechanical</b>	
<b>Dimensions (W x H x D)</b>	40x73x155 mm
<b>Weight</b>	0.55 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.*