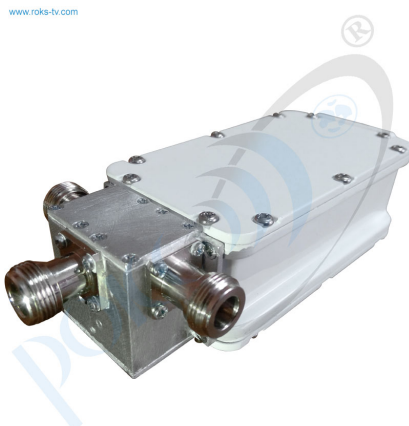




Lnb-kupxxA v1



Ku-band PLL LNB with AGC is professional LNB intended for using in wireless links. It has huge dynamic range for input signal - up to 50 dB, which you could not find at any other LNB. AGC range is 20 dB; option of manual level adjustment is available

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
Output impedance	50 Ohm
Output VSWR, max	1.8 : 1
Frequency Response:	
Flatness over Full Band	3 dB
Flatness over 27MHz Band	0.5 dB
Spurious:	
Noise figure given to the input, no more	5.0 dB
LO leakage, max	-50 dBm
Image rejection, min	60 dBc
Power Supply:	
Input voltage	15 VDC – 30 VDC, nominal 18 VDC
Power consumption, max	5 W
Environmental:	
Operating temperature	-40°C to +60°C (-40°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)	40x73x155 mm
Weight	0.55 kg