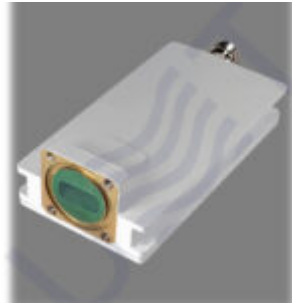


## PLL LNB WITH AGC L.O. 13.05



PLL LNB with AGC L.O. 13.05 is professional low noise block down converter with automatic gain control, wide dynamic range of up to 50 dB (biggest among any other LNB). AGC range of 25 dB, LO instability of 50 kHz, Gain (min) of 40 dB.

- Wide dynamic range (power at the input) – up to 50 dB (biggest among any other LNB)
- AGC range: 25 dB
- Waveguide: WR75
- Flange: PBR120
- 75 Ohm F-type or 50 Ohm N-type output connector

Input parameters:	
Input Frequency range	14.0 – 14.8
Input level range	– 65 ... -15 dBm
Input VSWR, max	1.8
Input interface	Waveguide WR75, Flange UBR120
Local Oscillator:	
LO frequency	13.05
LO Phase noise:	
@1 kHz	-77 dBc/Hz

<b>@10 kHz</b>	-87 dBc/Hz
<b>@100 kHz</b>	-97 dBc/Hz
<b>LO instability</b>	± 100 kHz (or by order)

#### Output parameters:

<b>Output frequency range</b>	950 – 1750 MHz
<b>Output Power @P1dB</b>	0 dBm
<b>Gain, min</b>	40 dB
<b>Output interface</b>	N/F-type female (by order)
<b>Output impedance</b>	50/75 Ohm
<b>Output VSWR, max</b>	1.8 : 1

#### Frequency Response:

<b>Flatness over Full Band</b>	3 dB
<b>Flatness over 27MHz Band</b>	0.5 dB

#### Spurious:

<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

#### Power Supply:

<b>Input voltage</b>	15 VDC – 30 VDC, nominal 18 VDC
<b>Power consumption, max</b>	5 W

#### Environmental:

<b>Operating temperature</b>	-40 to +60 ( -40 to +140 )
<b>Storage temperature</b>	-40 to +80 ( -40 to +176 )
<b>Operating humidity</b>	0% – 95%
<b>Mechanical</b>	
<b>Dimensions (W x H x D)</b>	59x41x144 mm
<b>Weight</b>	0.4 kg

*Taking into consideration that we (UMT LLC) 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.*