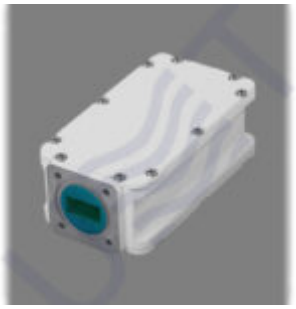
LNB PLL WITH AGC LO 12.80



Ku-band LNB PLL with AGC LO 12.80 is low noise block down converter with automatic gain control. It is professional LNB with wide dynamic range – up to 50 dB (biggest among any other LNB). AGC range: 20 dB, LO instability: ±25 kHz, Gain (min): 34 dB.

Ku-band LNB PLL with AGC LO 12.80 is professional low noise block down converter with automatic gain control designed for using in MVDS / MITRIS TV broadcasting systems (links and repeaters) in which the signal stability is very important. In addition, LNB PLL with AGC LO 12.80 has wide dynamic range (power at the input) which is the biggest among other LNBs.

LO: 12.80 GHz **IN**: 13.75 – 14.75 GHz **OUT**: 950 – 1950 MHz

KEY FEATURES:

- Wide dynamic range (power at the input) – up to 50 dB (biggest among any other LNB)
- AGC range: 20 dB
- Waveguide: WR75
- Flange: PBR120
- 75 Ohm F-type output

Input parameters:	
Input Frequency range	13.75 – 14.75 GHz
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	12.80 GHz
LO Phase noise:	
@10 kHz	-90 dBc/Hz
LO instability	± 25 kHz
Output parameters:	
Output frequency range	950 – 1950 MHz
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 to +60 (-40 to +140)
Storage temperature	-40 to +80 (-40 to +176)
Operating humidity	0% – 95%
Mechanical	
Dimensions (W x H x D)	40x73x155 mm
Weight	0.55 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.*