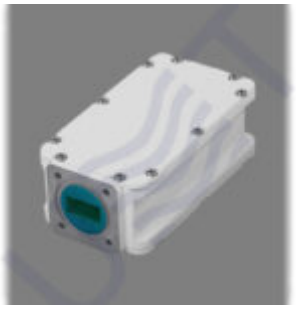
# LNB PLL WITH AGC LO 9.75



Ku-band LNB PLL with AGC LO 9.75 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 9.75 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 9.75 has wide dynamic range (power at the input) which is the biggest among other LNBs.

**LO:** 9.75 GHz **IN**: 10.70 – 11.70 GHz **OUT**: 950 – 1950 MHz

**KEY FEATURES:**

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

| **Input parameters:** | |
|---|---|
| **Input Frequency range** | 10.70 – 11.70 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** | 9.75 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.*