# NEW PLL LNB WITH AGC



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UMT presents new PLL LNB with AGC.

It is professional LNB which has the following advantages comparing with old one: wide dynamic range – up to 50 dB (biggest among any other LNB). AGC range: 25 dB, LO instability: 50 kHz, Gain (min): 40 dB.

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

**New PLL LNB with AGC has the following advantages comparing with old one:**

- higher level stability
- higher frequency stability
- wider dynamic range – up to 50 dB (biggest among any other LNB)
- less weight and dimensions
- less price

**Output frequency range**: 950 – 1750 MHz

**KEY FEATURES:**

- 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

| معلمات الدخل | |
|---|---|
| | 1 GHz ( Ku-band ) |
| | – 65 ... -15 dBm |
| VSWR | 1.8 |
| | Waveguide WR75 UBR120 |
| المذبذب المحلي | |
| LO | |
| **LO: ضوضاء الطور** | |
| @1 kHz | -77 dBc/Hz |
| @10 kHz | -87 dBc/Hz |
| @100 kHz | -97 dBc/Hz |
| LO | ± 25 kHz ( ) |
| معلمات الخرج | |
| | 950 – 1750 MHz |
| @P1dB | 0 dBm |
| | 40 dB |
| | N/F-type female ( ) |
| | 50/75 Ohm |
| VSWR | 1.8 : 1 |

| | |
|---|---|
| ا سجا ق ا لتردد: | |
| | 3 dB |
| 27MHz | 0.5 dB |
| ا لإ شارا ت لطفيلية: | |
| | 5.0 dB |
| LO | -50 dBm |
| | 60 dBc |
| مصر ا لطا قة: | |
| | 15 VDC – 30 VDC 18 VDC |
| | 5 W |
| ا لبيئة: | |
| | –40 +60 (–40 +140 ) |
| | –40 +80 (–40 +176 ) |
| | 0% – 95% |
| ا لميكا نيكية | |
| (W x H x D) | 55x38x116 mm |
| | 0.25 kg |

( UMT LLC)

!مل حظة

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