# C-BAND LNB 4.75-5.3 GHZ WR-159 N/F/SMA



C-band LNB with 3.8 GHz LO, 4.75-5.3 GHz input, 0.95-1.5 GHz output, WR-159 waveguide, low noise, and high gain. Suitable for professional RF & broadcast systems.

| **Input Parameters:** | |
|---|---|
| **Input Frequency Range** | 4.75 – 5.3 GHz |
| **Input VSWR, max** | 1.9 |
| **Input Interface** | WR-159, flange |
| **Local Oscillator:** | |
| **LO Frequency** | 3.8 GHz |
| **LO Frequency Stability** | ±1 ppm |
| **LO Phase Noise:** | |
| **@1 kHz** | -95 dBc/Hz |
| **@10 kHz** | -105 dBc/Hz |
| **Output Parameters:** | |
| **Output Frequency Range** | 0.95 – 1.5 GHz |
| **Output Power with AGC** | –1 to +1 dBm |

| | |
|---|---|
| **Output Power @P1dB** | ≥19 dBm |
| **Gain** | ≥49 dB |
| **Gain Flatness over Full Band** | ±3.3 dB |
| **Gain Flatness over 30 MHz** | ±0.5 dB |
| **Mirror Channel Suppression** | ≥45 dB |
| **Output VSWR, max** | 1.7 |
| **Output Interfaces** | N/F/SMA (by order) |
| **Output Impedance** | 75 Ohm |
| **Noise & AGC:** | |
| **Noise Figure (@+25 )** | ≤1.9 dB |
| **AGC Depth** | ≥25 dB |
| **Power Supply:** | |
| **Voltage** | +12...+24 VDC |
| **Power Consumption, max** | 3.2 W |
| **Environmental:** | |
| **Operating Temperature** | -30 to +60 |
| **Storage Temperature** | -40 to +80 |
| **Humidity** | 0%-95% |
| **Mechanical:** | |
| **Dimensions (W x H x D)** | 60 x 42 x 126 mm |
| **Weight** | 0.4 kg |

*Taking into consideration that we (ROKS PrJSC) are developer and system integrator, also do not stop on our technical growth and improvement, know that the 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 the 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 of our customers has a 1.5 year warranty and 7 year aftersales support for the whole range of our products.*