

# Data Sheet



## LNA 435 MK II / Art. Nr.: 1002

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In the MK II models instead of a GaAs-FET's a HETERO-JUNCTION Fet is used, which offers a noise figure of ca. 0.1 dB in the VHF- and UHF range! By a thought-out implementation of this part this very low noise figure is combined with a good stability. Matching of the FET's is processed by a aligned input circuit. This offers a high preselection and preserves the FET of strong sum levels. At the output of the preamplifier a bandpass filter follows, consisting of silvered air coils and concentric HI-Q-air trimmers. This filter noticeable relieves the subsequent receiver of signals resulting from ranges outside the used one.

Every preamplifier was carefully tested and optimized with a modern Noise Analyzer.

The measurement report is included to the delivery in printed form.

### Technical Data

Frequency range	430 - 440 MHz
Noise figure @ 20°C	0.25 dB
Amplification, typ.	22 dB
Connection norm	N – socket
Operating voltage	12 - 14V
Current consumption	25 mA
Dimensions	74x56x30 mm
Weight	150 g

Do not open the unit. It does not contain any parts needing maintenance. If you need help regarding technical matters, please contact our team:

[technik@ssb-electronic.de](mailto:technik@ssb-electronic.de)

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### Connection notes

Protect in- and outputs of the amplifier of static voltages and HF power! The amplifier is designed to accept max. 1mW HF power at the input and max. 5mW at the output. Higher power can damage the FETs! Before connecting the antenna cable you should discharge a possible static charge in the cable by a short between inner and outer conductor. Only use shielded cables for the supply of electricity for lengths exceeding ca. 1m. The shielding should be connected to Ground = Minus pole. Unshielded cables can work like a longwire antenna, producing static voltage, especially in the summer months.

### Disposal of your old appliance



This product is covered by the European Community directive 2002/96/EC. 2. All electrical and electronic products should be disposed of separately from the municipal waste stream via designated collection facilities appointed by the government or by the local authorities. The correct disposal of your old appliance will help prevent potential negative consequences for the environment and the human health. For more detailed information about the disposal of your old appliance, please consult your city office, waste disposal service or the shop where you purchased the product. Within Germany, the above regulations are also valid for the disposal of batteries and accumulators accordingly.

### Declaration of Conformity



Herewith we declare that this product complies with all relevant regulations for the product within the guidelines 73/23/EWG, 89/336/EWG and 99/5/EG of the Council

**EN 301 489-15** Electromagnetic compatibility and Radio Spectrum Matters (ERM) Electromagnetic Compatibility (EMC) standard for radio equipment and services. Part 15: specific conditions for commercially available amateur radio equipment.

**EN 301 783-1** Electromagnetic compatibility and Radio Spectrum Matters (ERM); Land Mobile Service; commercially available amateur radio equipment. Part 1: technical characteristics and methods of measurement.

**EN 301 783-2** Electromagnetic compatibility and amateur radio equipment. Part 2: harmonized EN covering essential requirements under article 3.2 of the R&TTE Directive.

**EN 60950-1:2001** Information technology equipment – safety. Part 1: General requirements.

Manufacturer:

SSB-Electronic GmbH  
Handwerkerstraße 19  
58638 Iserlohn

Contact:

E-Mail: [technik@ssb-electronic.de](mailto:technik@ssb-electronic.de)  
Telephone: +49(0)2371-9590-0