

Data Sheet



SLN 2300 / Art. No.: 1054



This amplifier series is characterized by a very low noise figure, high amplification and excellent electrical stability. As frequency occupation gets more and more dense, especially by GSM nets, there are increased requirements concerning selectivity and large signal performance of the amplifier. The SLN-series fulfills these requirements with the following specifications:

Two-stage preamplifier, 1. stage low noise HEMT, 2. stage GaAs-Fet driver with a linear output power of > + 10 dBm. For good selectivity adjustable Helix band filters are used. The amplifier is built onto a low-loss ceramic/glas fibre substrate. The low-cost amateur version (SLN-A Series) has a HF-tight tinplate housing, the professional version (SLN-P series) a milled aluminium-housing with surface protection. Both versions can be feeded remotely or directly.

A printed measurement report is part of the delivery.

Technical Data SLN A-Series

Frequency	2320 MHz
Noise figure, typ.	1,2 dB
Amplification, typ.	25 dB
3 dB BW, typ.	60 MHz
Connection norm	N - socket
Operating voltage	12V - 14V
Current consumption, typ.	60 mA
Dimensions	74x55x30 mm
Weight	120 g

Technical Data SLN P-Series

Frequency	2320 MHz
Noise figure, typ.	1,0 dB
Amplification, typ.	28 dB
3 dB BW, typ.	60 MHz
Connection norm	N-socket
Operating voltage	12V - 14V
Current consumption, typ.	60 mA
Dimensions	80x62x30 mm
Weight	140 g

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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

Beware!

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. 50mW 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:

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