

LNA 600 Art.Nr.:1010-NF



Product description

The LNA 600 is a selective reception preamplifier with excellent technical parameters. With very low noise and high gain, it also offers very high IP values. This amplifier is built up with a GaAs MMIC of the latest technology on high-quality microwave substrate in SMD technology and is unconditionally stable (k factor less than 1 up to 10 GHz). The input circuit of the amplifier is built up with HQ components in chamber construction and optimized the best noise characteristics. The bandpass at the output of the amplifier ensures good band selection so that all signals which lie outside the useful band are effectively suppressed. The LNA 600 preamplifier is ideally suited for EME, Meteorscatter, Aurora, Troposcatter and competition.

Technical data

Frequency range:	50-52 MHz
Noise level @ 20°C:	0,2-0,3 dB
Amplification, typ.:	24 dB
Return loss:	
Input:	2,7 dB
Output:	20 dB
OIP3:	23 dBm
IIP3:	-1 dBm
Max. input level:	10 dBm
Operating voltage:	8-14 V
Current consumption:	60 mA
Housing dimensions:	74x56x30 mm
Weight:	140 g
Connection standard:	N-Female

Connection notes

This preamplifier can either be remote-fed via the coaxial output line or locally via the DC 12 V connector. In case of a local voltage supply, for connection cables from approx. 1m length, shielded versions should be used. Unshielded cables can act like antennas and cause damage from static voltages.

Attention!

The LNA 600 has no transmitter/receiver switching. Too high signal levels at the input or output of the amplifier can damage the device.

Notes on environmental protection



Electrical and electronic devices may not be disposed of with household waste. This must be handed in separately at collecting points, or returned to the point of sale. Packaging materials must be separated and disposed of through the municipal waste by material type.

Maintenance

Do not open the unit. It does not contain any parts needing maintenance. If you need help regarding technical matters, please contact support@ssb-electronic.com. For a lowest possible noise figure of the complete system, set preamp to maximum gain.

Safety, Warranty

Not suitable for children! The packaging material and the device may contain small parts which may be swallowed. Repairs may only be performed by qualified personnel., Opening the device, or improper use will void any warranty claims. No guarantee will be given. The device applies to the Low Voltage Directive 2006/95/EG, as well as to 2004/108/EG, 2002/96/EG, 1999/44/EG.

Declaration of Conformity



The CE mark is a free trade mark. It does not guarantee any product features. The product does apply all relevant regulations within the scope of 94/62/EG.

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