BLSW00

LOW NOISE AMPLIFIER (WAWEGUIDE IN / COAXIAL OUT)

- **LOW NOISE**
- **HIGH SELECTIVITY (BUILT IN BAND PASS FILTER)**
- **WEATHER-PROOF HOUSING**

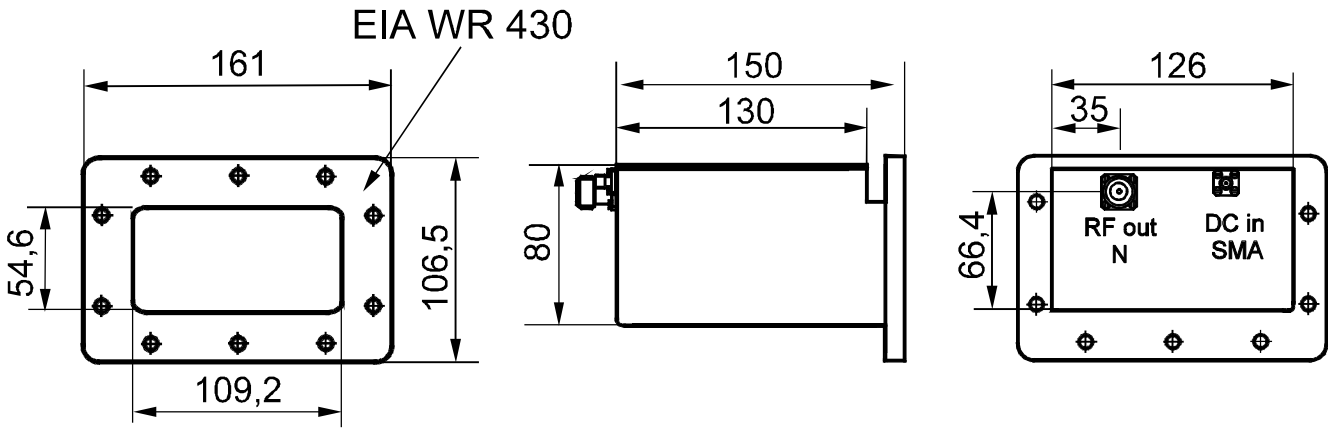
This S-band low noise amplifier is intended for use in modern solid state communication equipment, where high reliability microwave signal amplification, high dynamic range, and steep skirt characteristics are important factors. Typical applications are in satellite or terrestrial applications. This microwave LNA is constructed using Gallium Arsenide HEMT amplifier stages of high reliability. Due to the weather-proof sealing, it can be used effectively in harsh environmental conditions.

Electrical characteristics:

Frequency Band	2.2 to 2.3 GHz min.
RF Gain	40 dB
Gain Flatness	± 0.5 dB
Gain Stability	± 0.5 dB / day max
Input Noise Temperature (Noise Figure)	< 65 °K (< 0.87 dB)
I/O VSWR	< 1.5
1 dB Compression	+ 10 dBm
Out of Band Attenuation @ 100 MHz away	- 40 dB min.
I/O Impedance	50 ohms
Supply Voltage	+ 11 … + 24 V DC
RF Connectors	Waveguide Input / N-female Output
Housing	water proof
Operating temperature range	0 …+ 60 °C (optional: - 30 …+ 70 °C)

Specifications are subject to change without notice.

Outline dimensions (mm):



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