

## LOW NOISE AMPLIFIER (WAVEGUIDE IN / COAXIAL OUT)

- **LOW NOISE**
- **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 are important factors. Typical applications are in satellite or terrestrial telecommunication systems. 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	2.0 to 2.3 GHz min.
RF Gain	45 dB
Gain Flatness	± 0.5 dB
Gain Stability	± 0.5 dB / day max
Input Noise Temperature (Noise Figure)	< 65 °K (< 0.87 dB) typ. < 50 °K
I/O VSWR	< 1.5
1 dB Compression	+ 10 dBm
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):

