

S-BAND LOW NOISE AMPLIFIER

- **VERY LOW NOISE**
- **HIGH RELIABILITY**
- **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:

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|--|--------------------|
| Frequency Band | 2200 to 2400 MHz |
| RF Gain | 35 dB |
| Gain Flatness | ± 1 dB |
| Input Noise Temperature (Noise Figure) | 1 dB max. |
| Output VSWR | 2 : 1 |
| 1 dB Compression | + 10 dBm min. |
| I/O Impedance | 50 ohm |
| Supply Voltage | + 12 ... + 24 V DC |
| RF Connectors | N female |
| Supply connector | SMA female |
| Humidity | waterproof |
| Operating Temperature Range | -20°C to +45°C |

Specifications are subject to change without notice.

Outline dimensions (mm):

