

8000-8500 MHz LOW NOISE AMPLIFIER

- **VERY LOW NOISE**
- **HIGH RELIABILITY**
- **WEATHER-PROOF HOUSING**

This X-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 ground station 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	8000 to 8500 MHz
RF Gain	60 dB
Gain Flatness	± 0.5 dB
Input Noise Temperature (Noise Figure)	60 K typ, 70 K max.
I/O VSWR	1.67 : 1
1 dB Compression	+ 10 dBm min.
I/O Impedance	50 ohm
Supply Voltage	+ 12 ... + 24 V DC
Input RF Connector	Waveguide (WG112)
Output RF Connector	SMA female
Supply connector	SMA female
Humidity	waterproof
Operating Temperature Range	-40°C to +60°C

Specifications are subject to change without notice.

Outline dimensions (mm):

