

MKU LNA 243 RX 2, Super Low Noise Amplifier 24000 ... 24250 MHz



Description

Our amplifier for 24 GHz uses the latest semiconductor technologies. The waveguide input is directly coupled to the internal PCB for minimum losses. Due to its small mechanical dimensions, the module can be used for building very compact receive or transmit systems.

Features

- Low noise figure
- Unconditionally stable - no parasitic oscillations in case of poor antenna match
- Milled aluminium case
- Small mechanical dimensions

Important notes

- Amplifier does not contain a coaxial relay!
- Maximum input power 1 mW

Technical specifications:

Frequency range	24000..24250 MHz
Noise figure @ 18 °C	typ. 1.5 dB, max. 1.8 dB NF
Gain	min. 26 dB
Maximum input power	1 mW
Output power (Psat)	typ. 10 mW (+10 dBm)
Supply voltage	+9 ... 15 V DC
Current consumption	typ. 60 mA
Operating case temp. range	-20 ... +65°C
Input connector / impedance	Waveguide R220 / WR42 / WG20
Output connector / impedance	SMA-female, 50 ohms
Case	milled aluminium
Dimensions (mm)	63 x 30 x 20
Weight	75 g (typ.)