

MKU LNA 432 A-SMA, Low Noise Preamplifier
432.2 MHz

Selective Super Low Noise Preamplifier



Abbildung ähnlich / similar to illustration

Description

This selective super low noise preamplifier uses the latest PHEMT transistor technology from Agilent. Due to his high technical performance - low noise figure, high gain and very high IP3 - this is the ideal preamplifier for contest operation as well as EME, Meteorscatter, Aurora and tropo DX.

Features

- Low noise figure and high gain
- Helical filter (432 MHz) for good selectivity
- High IP3 - ideal for contest operation
- Unconditionally stable - no parasitic oscillations in case of poor antenna match
- Milled aluminium case

Applications

- Contest operation
- EME (Earth - Moon - Earth)
- Meteorscatter
- Aurora
- Tropo DX

Important notes

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

Technical specifications:

Frequency range	430..440 MHz
Noise figure @ 18 °C	typ. 0.45 dB, max. 0.55 dB
Gain	typ. 20 dB
Maximum input power	1 mW
Output IP3	typ. +27 dBm
Input return loss (S11)	typ. 5 dB
Output return loss (S22)	min. 15 dB
Supply voltage	+12 ... 14 V DC
Current consumption	typ. 60 mA
Operating case temp. range	-20 ... +65°C
Input connector / impedance	SMA-female, 50 ohms
Output connector / impedance	SMA-female, 50 ohms
Case	milled aluminium
Dimensions (mm)	50 x 30 x 22
Weight	100 g (typ.)