

MKU LNA 432 A, Selective Low Noise Amplifier 432.2 MHz

Selective Super Low Noise Preamplifier



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	N-male, 50 ohms
Output connector / impedance	N-female, 50 ohms
Case	milled aluminium
Dimensions (mm)	50 x 30 x 22
Weight	100 g (typ.)