

MKU LNA 144 A, Selective Low Noise Amplifier

144 ... 146 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 - it is the ideal preamplifier for contest operation as well as EME, Meteorscatter, Aurora and tropo DX.

Features

- Low noise figure and high gain
- LC filter (144 MHz) for good selectivity
- Milled aluminium case
- High IP3, ideal for contest operation
- Unconditionally stable. No parasitic oscillations in case of poor antenna match

Applications

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

Important notes

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

Technical specifications:

Frequency range	144..146 MHz
Noise figure @ 18 °C	0,35 dB +/- 0.05
Gain	25 ... 28 dB
Maximum input power	1 mW
Output IP3	typ. 24 dBm
Input return loss (S11)	min. 3 dB
Output return loss (S22)	typ. 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.)