

## 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.)