

KU LNA 142 AH, Super Low Noise Preamplifier 1350 ... 1450 MHz

Super Low Noise Amplifier for Radio Astronomy



Description

Our radio astronomy preamplifier for the 1400 MHz band provides an extremely low noise figure. It is excellent for receiving weak signals from space. The preamplifier can be added to the receiving system without additional adaptors because of the male input connector and female output connector.

Features

- Extremely low noise figure
- Good input return loss (low VSWR)
- Unconditionally stable - no parasitic oscillations in case of poor antenna match
- Milled aluminium case
- Small mechanical dimensions

Important notes

- The preamplifier does not contain built-in coaxial relays!
- Maximum input power 1 mW

Technical specifications:

Frequency range	1350..1450 MHz
Noise figure @ 18 °C	0.4 dB +/- 0,05
Gain	typ. 33 dB
Maximum input power	1 mW
Supply voltage	+9 ... 15 V DC
Current consumption	typ. 80 mA
Operating case temp. range	-40 ... +65 °C
Input connector / impedance	N-male, 50 ohms
Output connector / impedance	N-female, 50 ohms
Case	milled aluminium
Dimensions (mm)	73 x 30 x 22
Weight	140 g (typ.)