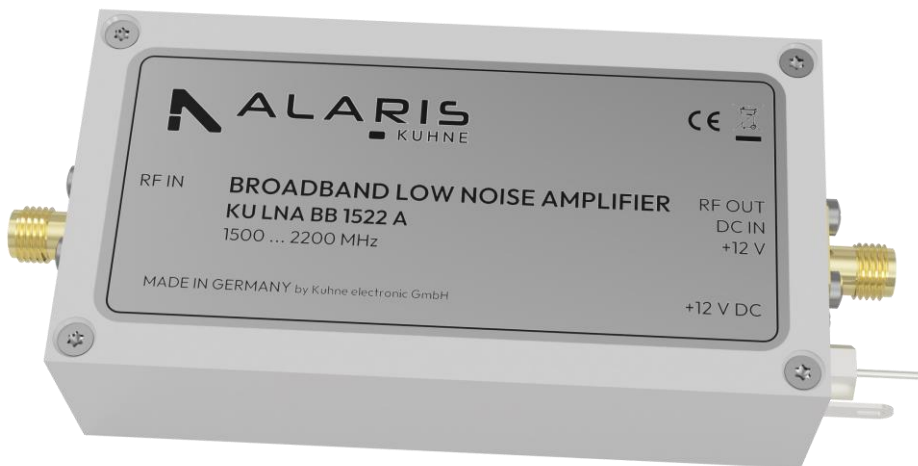


KU LNA BB 1522 A



Manual

Specification

Type KULNA BB 1522 A

Frequency range 1500 ... 2200 MHz
 Noise figure @ 18 °C typ. 0.8 dB, max. 1.0 dB
 Gain min. 27 dB

Output power

Output power P1dB typ. +23 dBm
 Saturation power min. +23 dBm
 Output IP3 typ. +36 dBm

S-Parameter

Input return loss (S11) typ. 10 dB
 Output return loss (S22) typ. 10 dB

Operating parameters

Supply voltage +12 ... 15 V DC
 Current consumption typ. 250 mA

Mechanics

Input connector / impedance SMA-female, 50 ohms
 Output connector / impedance SMA-female, 50 ohms
 Case milled aluminium
 Dimensions (mm) 78 x 41 x 22
 Weight typ. 100 g

Absolute ratings

Maximum RF input power 5 mW
 Operating case temperature range -20 ... +65 °C

This high linear preamplifier was developed for radio link applications in the frequency range 1.5 ... 2.2 GHz. The amplifier is coupled by 3dB hybrids which guarantees an excellent input SWR and high linearity. A high stimulus capability and simultaneously a low noise figure allows to use the preamplifier for many applications.

Applications:

- Analog and digital transmission systems
- Measurement and laboratory equipment

Features:

- Low noise figure
- High IP3
- Static protection (ESD) at preamplifier input
- Overvoltage protection and reverse polarity protection
- Remote power supply via output connector
- Solder pin for direct power supply

Static sensitive product!

Additional protection against moisture is essential in case of outdoor installation.

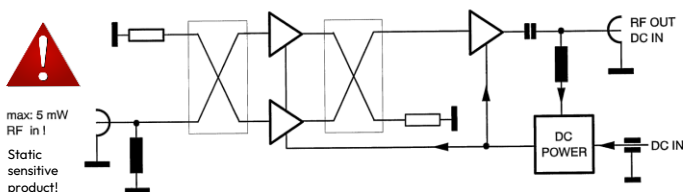
Installation in a waterproof case is recommended!
Please note: No built-in coaxial relays!

Products are only to be sold to processing companies or radio amateurs with a licence.

For operating high frequency modules legal instructions must be followed.

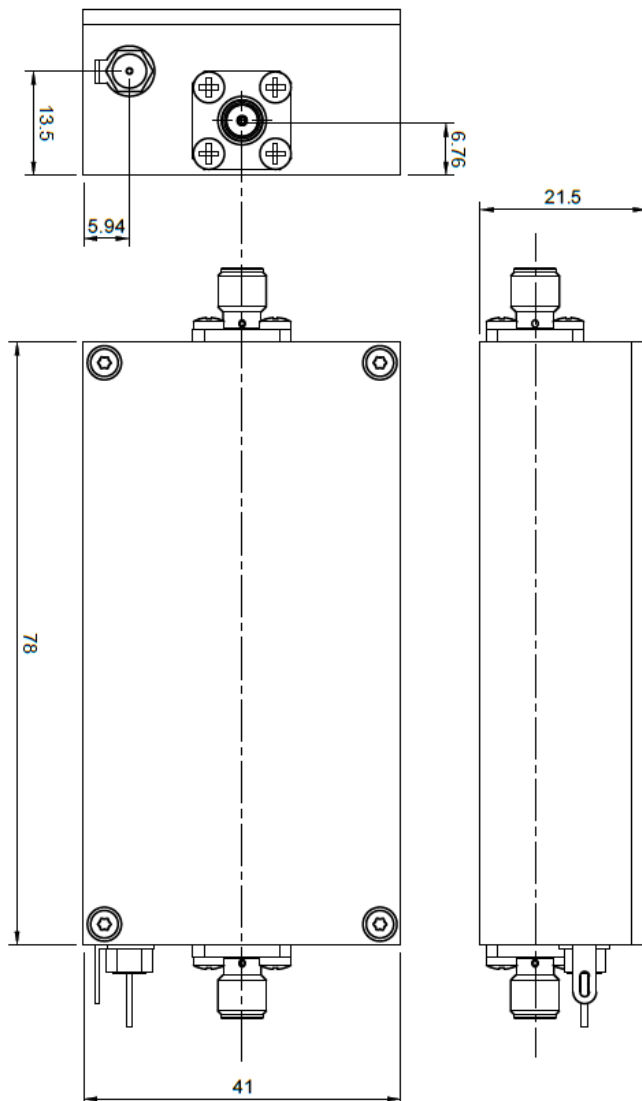
CE Conformity

EMC directive 2014/30/EU
 Low voltage directive 2014/35/EU
 RoHS directive 2011/65/EU





Dimensions



Notes