

LS – Band Super Low Noise Broadband Amplifier KU LNA BB 1522 A

Produktinformationen/ Product information

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.

Specifications:

Frequency range:	1500 ... 2200 MHz
Noise figure @ 18 °C:	typ. 0.8 dB, max. 1.0 dB
Gain:	min. 27 dB
Maximum RF Input:	5 mW
Output power P1dB:	typ. +19 dBm @ 1800 MHz
Saturation power:	min. +20 dBm @ 1800 MHz
Output IP3:	typ. +36 dBm @ 1800 MHz
Input return loss (S11):	typ. 10 dB
Output return loss (S22):	typ. 10 dB
Supply voltage:	+12 ... 15 V DC
Current consumption:	typ. 250 mA
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

Applications:

- Analog and digital transmission systems
- Measurement and laboratory equipment



Features:

- Low noise figure
- High IP3
- Good input return loss (S11)
- Static protection (ESD) at preamplifier input
- Overvoltage protection and reverse polarity protection
- Remote power supply via output connector
- Solder pin for direct power supply

CE Conformity:

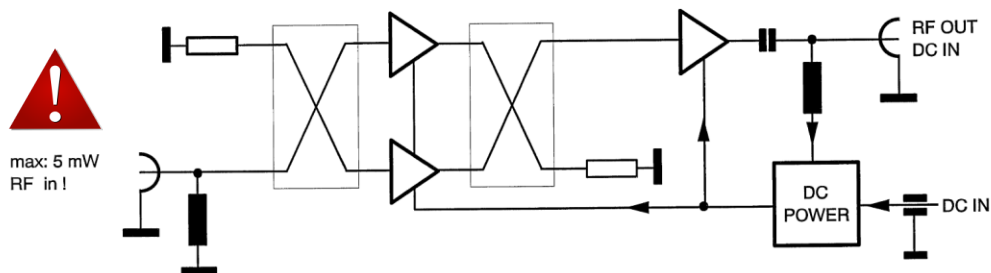
- EMC directive 2014/30/EU
- Low voltage directive 2014/35/EU
- RoHS directive 2011/65/EU

! Static sensitive product !

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Sig.: _____ QS: _____



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.

