

KU LNA BB 1522 A, Low Noise Broadband Amplifier 1500 ... 2200 MHz



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

Applications

- Analog and digital transmission systems
- Measurement and laboratory equipment

Important notes

- Amplifier does not contain a coaxial relay!
- Maximum input power 5 mW

Technical specifications:

Frequency range	1500..2200 MHz
Noise figure @ 18 °C	typ. 0.8 dB, max. 1.0 dB NF
Gain	min. 27 dB
Maximum input power	5 mW
Output power (P1dB)	typ. 80 mW (+19 dBm)
Output power (Psat)	min. 100 mW (+20 dBm)
Output IP3	typ. 36 dBm
Input return loss (S11)	min. 13 dB
Output return loss (S22)	typ. 10 dB
Supply voltage	+12 ... 15 V DC
Current consumption	typ. 250 mA
Operating case temp. range	-20 ... +65°C
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	100 g (typ.)