

KU LNA BB 2001200 A, Low Noise Amplifier

2000 ... 12000 MHz

analog & digital transmission systems high IP3 test equipment



Features

- Large bandwidth
- Low noise figure
- High gain
- High IP3
- Reverse polarity protection
- Small mechanical dimensions
- Solder pin for direct power supply
- Remote power supply via output connector

Applications

- Analog and digital transmission systems
- Measurement and laboratory equipment

Important note

- Maximum input power 1 mW

Technical specifications:

Frequency range	2000..12000 MHz
Noise figure @ 18 °C	2,0..2,6 dB (2000...8000 MHz) 2,5..3,0 dB (8000...12000 MHz)
Gain	typ. 30 dB, min. 28 dB
Maximum input power	1 mW
Output power (P1dB)	typ. 13 dBm (2000 ... 8000 MHz) typ. 7 dBm (8000 ... 12000 MHz)
Output IP3	typ. 18 dBm (2000 ... 8000 MHz) typ. 10 dBm (8000 ... 12000 MHz)
Input return loss (S11)	typ. 10 dB
Supply voltage	+8 ... 14 V DC
Current consumption	typ. 100 mA
Operating case temp. range	-20 ... +55 °C
Case	milled aluminium
Dimensions (mm)	23 x 24.5 x 9
Weight	15 g (typ.)