

KU LNA BB 050700 B, Broadband Low Noise Amplifier

500 ... 7000 MHz

Monitoring systems test equipment

- Low ripple
- High bandwidth
- Good input and output matching
- Reverse polarity protection
- Super-small mechanical dimensions

The low noise broadband preamplifier KU LNA BB 050700 B impresses with a very low ripple of typ. +/- 1 dB over the wide frequency range from 500 MHz to 7 GHz. Gain and noise figure are typically 21 dB and 1.6 dB, respectively. Furthermore, the LNA shows a high IP3 and an output power of more than 100 mW. These outstanding technical properties result in a wide range of possible applications.



Features

- High IP3
- Reverse polarity protection
- Solder pin for direct power supply
- Super Low Noise
- Remote power supply via output connector
- Low ripple
- High bandwidth
- Good input and output matching
- Reverse polarity protection
- Super-small mechanical dimensions

Applications

- Measurement and laboratory equipment
- Broadband amplifier for spectrum analysis
- Low noise broadband amplifier for monitoring systems
- Broadband power amplifier for network analysis (sweep oscillators)

Important notes

- Amplifier does not contain a coaxial relay!

Technical specifications:

Frequency range	500..7000 MHz
Noise figure @ 18 °C	typ. 1.6 dB, max. 2 dB @ 7 GHz
Gain	typ. 21 dB, min. 18 dB @ 7 GHz
Gain flatness	max. +/- 2 dB
Maximum input power	16 dBm
Output power (P1dB)	typ. 20 dBm
Output IP3	typ. 30 dBm, min. 27 dBm
Input return loss (S11)	min. 10 dB
Supply voltage	+9 ... 14 V DC
Current consumption	typ. 80 mA
Operating case temp. range	-40 ... +65 °C
Input connector / impedance	SMA-female, 50 ohms
Output connector / impedance	SMA-female, 50 ohms
Case	milled aluminium

Dimensions (mm)	23 x 24.5 x 9
Weight	15 g (typ.)
Feature	Remote power supply via RF output