

KU LNA BB 17002650 A, Broadband Amplifier

17000 ... 26500 MHz

Analog & digital transmission systems Measurement and laboratory equipment

- Low noise figure
- High bandwidth
- Good input and output matching
- Reverse polarity protection
- Small mechanical dimensions

The low-noise broadband pre-amplifier KU LNA BB 17002650 A was particularly developed by KUHNE for use in double-digit GHz range. Thus, the amplifier is particularly suitable for laboratory operation and the extension of measuring equipment as well as for use in broadband high-frequency transmission systems.



Description

The KU LNA BB 17002650 A has a bandwidth of 17 GHz to 26.5 GHz and is thus suitable for a variety of applications in the radio-frequency (RF) and microwave range. Furthermore, the low noise figure of between 2.8 dB and 3 dB in the range from 17 GHz to 24 GHz and between 3 dB and 2.4 dB from 24 GHz to 26.5 GHz with a gain of 23 dB minimizes the noise figure of the receiver. The PIN diode-based reverse polarity protection furthermore increases user-friendliness.

Features

- Low noise figure
- High bandwidth
- Good input and output matching
- Reverse polarity protection
- Small mechanical dimensions

Applications

- Analog and digital transmission systems
- Measurement and laboratory equipment

Important note

- Maximum input power 1 mW

Technical specifications:

Frequency range	17000..26500 MHz
Noise figure @ 18 °C	2,8..3 dB (17000...24000 MHz) 3..3,4 dB (24000...26500 MHz)
Gain	typ. 23 dB
Maximum input power	1 mW
Output power (P1dB)	min. 5 mW
Input return loss (S11)	typ. 10 dB
Supply voltage	+9 ... 15 V DC
Current consumption	typ. 80 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)	26 X 25 X 9 mm

Filters

Weight

40 g (typ.)