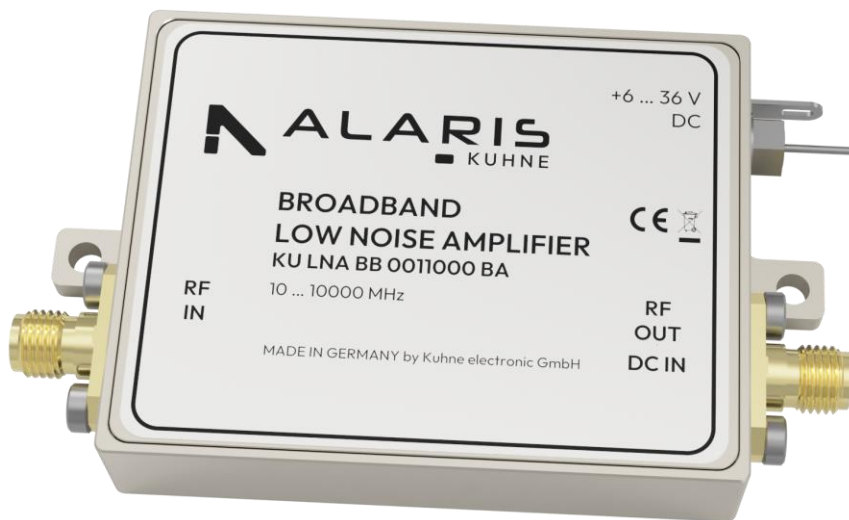


KU LNA BB 0011000 BA



Manual

Specification

Type **KU LNA BB 0011000 BA**

Frequency range	0.01 ... 10 GHz	
Noise figure @ 18 °C (0.1 ... 0.2 GHz)	max. 6 dB, typ. 2.5 dB	
	(0.2 ... 10 GHz)	max. 4 dB, typ. 1.5 dB
Gain	typ. 14 dB	
	(0.01 ... 8 GHz)	typ. 11 dB
	(8 ... 10 GHz)	±1 dB
Gain Flatness	±1 dB	
	(0.01 ... 8 GHz)	±2 dB
	(8 ... 10 GHz)	

Output power

Output power P1dB	typ. 15 dBm
Output IP3	typ. 30 dBm

S-Parameter

Input return loss (S11)	max. -5 dB, typ. -10 dB	
Output return loss (S22)		
	(0.01 ... 0.1 GHz)	max. -7 dB, typ. -10 dB
	(0.1 ... 10 GHz)	max. -9 dB, typ. -15 dB

Operating parameters

Supply voltage	+6 ... 36 V DC
Current consumption @ 12 V	typ. 45 mA

Mechanics

Input connector / impedance	SMA-female, 50 ohms
Output connector / impedance	SMA-female, 50 ohms
DC connector	Solder Pin
Case	milled brass
Dimensions (mm)	58 x 45 x 12
Weight	typ. 200 g

Absolute ratings

Maximum RF input power	+15 dBm
DC voltage	+38 V
Operating temperature range	-30 ... +85 °C

Notice

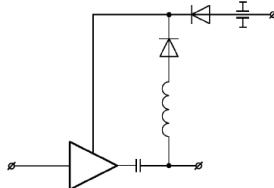
- Additional protection against moisture is essential in case of outdoor installation.
- Double stage version available (24 dB gain, KU LNA BB 0011000 A)

Applications:

- Test and Measurement
- Analog & digital transmission systems

Features:

- Wideband, low noise figure
- Excellent gain flatness up to 8 GHz
- Supply via solder Pin or RF output



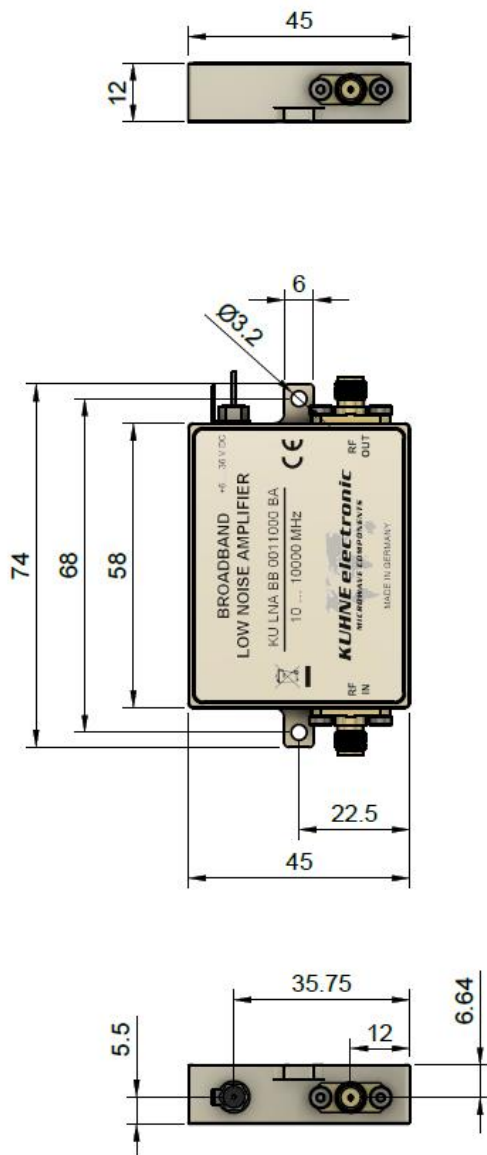
CE Conformity

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





Dimensions



Typical Curves (DC = 12 V, DC current = 45 mA)

