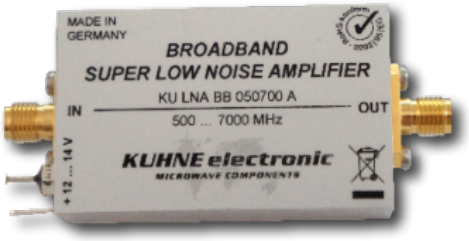
KU LNA BB 050700 A, Broadband Low Noise Amplifier

500 ... 7000 MHz

Monitoring systems test equipment

This super low noise wideband amplifier was designed to cover the 500 ... 7000 MHz. The noise figure is typ. 1.6 dB at 40 dB gain. Concurrently the broadband amplifier comes with a high IP3 and a output power of >100 mW. With this outstanding performences, this amplifier may be used for many applications.



Features

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

Applications

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

Important notes

- Amplifier does not contain a coaxial relay!

Technical specifications:

Frequency range	500..7000 MHz
Noise figure @ 18 °C	typ. 1.5 dB, max. 1.9 dB
Gain	typ. 40 dB, min. 37 dB
Gain flatness	max. +/- 2 dB
Maximum input power	-3 dBm
Output power (P1dB)	typ. 20 dBm
Output IP3	typ. +30 dBm
Input return loss (S11)	typ. 10 dB, min. 7 dB
Supply voltage	+9 ... 15 V DC
Current consumption	160mA
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)	50 x 30 x 17
Weight	50 g (typ.)
Feature	Remote power supply via RF output

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