

KU LNA 10001100 A, Super Low Noise Preamplifier

10000 ... 11000 MHz



Features

- Low noise figure
- Unconditionally stable - no parasitic oscillations in case of poor antenna match
- Milled aluminium case
- Small mechanical dimensions

Important notes

- The preamplifier does not contain built-in coaxial relays!
- Maximum input power 1 mW

Technical specifications:

Frequency range	10000..11000 MHz
Noise figure @ 18 °C	typ. 0.7 dB, max. 0.8 dB
Gain	min. 22 dB
Maximum input power	1 mW
Output power (P1dB)	min. +5 dBm
Output IP3	typ. +15 dBm
Input return loss (S11)	typ. 13 dB, min. 8 dB
Output return loss (S22)	min. 10 dB
Supply voltage	+9 ... 15 V DC
Current consumption	typ. 30 mA
Operating case temp. range	-20 ... +55 °C
Input connector / impedance	Waveguide R100 / WG16 / WR90
Output connector / impedance	SMA-female, 50 ohms
Case	milled aluminium
Dimensions (mm)	73 x 40 x 20
Weight	130 g (typ.)