

## 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.)                 |