

KU LNC 2027 C PRO2, Down Converter

2000 ... 2700 MHz

- Gain 35/24 dB
- Configurable LO frequency & gain
- High linearity
- Low influence on signal quality
- Easy monitoring of the operating condition



Features

- Low noise figure
- Large bandwidth
- Low phase noise oscillator
- High frequency stability of the oscillator
- High linearity
- Antenna port protected against static discharge
- Small and light-weight to allow easy pole mounting
- Tri-colour LED indicates unit status and gain mode setting
- Overvoltage protection and reverse polarity protection
- Remote power supply via output connector
- switchable gain
- switchable local oscillator frequencies
- normal or reverse output spectrum selectable

Applications

- Multichannel Multipoint Distribution Services (MMDS)
- Digital broadcast systems (DVB-T, DVB-S)
- Analog and digital transmission systems

Technical specifications:

Frequency range (RF)	2000..2700 MHz
Maximum input power	1 mW (0dBm)
Frequency range (IF)	160..860 MHz
Noise figure @ 18 °C	typ. 0.8 dB, max. 1.0 dB
Gain @ 25 °C	typ. 35 dB / 24 dB
Output IP3	25 dBm
LO frequency	1840 MHz
LO accuracy @ 18 °C	+/- 2 ppm
LO frequency stability	+/- 3 ppm
Phase noise @ 1 kHz	typ. -98 dBc/Hz
Phase noise @ 10 kHz	typ. -110 dBc/Hz
Phase noise @ 100 kHz	typ. -110 dBc/Hz
Supply voltage	+9 ... +36 V DC
Current consumption	typ. 250 mA @ 12V DC
Maximum case temperature	+55 °C
Input connector / impedance	N-female, 50 ohms
Output connector / impedance	N-female, 50 ohms
Case	milled Aluminium, water resistant milled aluminium, IP43
Weight	230 g

Linearisation

Remote power supply via IF

yes