KUHNE electronic
MICROWAVE COMPONENTS

KU LNC 3239 C PRO, Down Converter

3200 ... 3900 MHz

Gain 31/20 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)	3200..3900 MHz
Maximum input power	1 mW (0dBm)
Frequency range (IF)	200..900 MHz
Noise figure @ 18 °C	typ. 1.0 dB, max. 1.5 dB
Gain @ 25 °C	typ. 31 dB
Output IP3	23 dBm
LO frequency	2900 MHz, 3000 MHz, 3100 MHz, 4100 MHz
LO accuracy @ 18 °C	+/- 2 ppm
LO frequency stability	+/- 3 ppm
Phase noise @ 1 kHz	typ. -91 dBc/Hz
Phase noise @ 10 kHz	typ. -96 dBc/Hz
Phase noise @ 100 kHz	typ. -105 dBc/Hz
Supply voltage	+9 ... +36 V DC
Current consumption	typ. 280 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, IP43
Dimensions (mm)	82 x 64 x 22

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Weight	230 g
Remote power supply via IF	yes

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