

KU UP 5457 A - Up Converter

5400 ... 5700 MHz

The converter KU UP 5457 A is designed for radio link systems in the range from 5400 MHz to 5700 MHz. It features a high frequency stability and high linearity. High spurious rejection is achieved by internal band pass filters. There is no need for additional external filters! Typical applications are radio link systems or digital video transmissions using DVB-T and DVB-S.



Features

- Low phase noise oscillator
- High frequency stability of the oscillator
- High linearity
- Reverse polarity protection

Applications

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

Technical specifications:

Frequency range (IF)	400 ... 700 MHz
Frequency range (RF)	5400 ... 5700 MHz
LO frequency	5000 MHz
LO accuracy @ 18 °C	+/- 2 ppm
LO frequency stability	+/- 3 ppm
Phase noise @ 1kHz	typ. -85 dBc/Hz
Phase noise @ 10 kHz	typ. -92 dBc/Hz
Phase noise @ 100 kHz	typ. -100 dBc/Hz
Gain	typ. 17 dB, min 15 dB
Maximum input power	max. 5 mW (+7 dBm)
Output power (P1dB)	typ. 100 mW (+20 dBm)
Maximum case temperature	+55 °C
Supply voltage	+12 ... +14 V DC
Current consumption	typ. 430 mA
Input connector / impedance	SMA-female, 50 ohms
Output connector / impedance	SMA-female, 50 ohms
Case	milled aluminium
Dimensions (mm)	126 x 64 x 22
Weight	310 g