

## MKU LO 8-13 PLL-2, Oscillator

54 ... 13600 MHz

- Frequency freely configurable
- Remote control
- Intuitive operation
- High Resolution
- Synchronisable also with other modules
- 1 Hz accurate setting

Can also be used as a stand-alone beacon



### Description

The oscillator unit MKU LO 8-13 PLL2 was designed as local oscillator source for microwave transverters and covers the frequency range from 8.4 GHz to 13.6 GHz. The oscillator unit covers the frequency range between 54 MHz and 6.85 GHz, also. The user can choose frequencies from a standard frequency list or the user can program it's own output frequency in the oscillator unit. The frequency resolution is 1 Hz. Absolute frequency accuracy and stability can be achieved by supplying an external 10 MHz reference frequency. A CW beacon encoder is implemented in the oscillator unit software and so the oscillator can be used a low power stand-alone beacon transmitter.

### Features

- Frequency step size 1 Hz
- Temperature compensated crystal oscillator
- CW Keying
- 10 MHz referenz frequency input

### Application

- Local oscillator for microwave transverters
- Beacon transmitter

### Display

KU EDPU - 5.0 External Display Unit

The 5-inch display unit from Kuhne electronic GmbH was developed to offer excellent picture quality and state-of-the-art functions in a robust housing. It is supported by many of our products.

### Technical specifications:

Output frequency	8400 ... 13600 MHz
Output frequency 2	54 ... 6850 MHz
Output power	typ. 20 mW
Frequency accuracy @ 18°C	+/- 1 ppm
Frequency stability @ 0 40 °	+/- 1 ppm
CW keying (telegraphy)	A1
CW input connector	PIN / Pinheader
Phase noise @ 100 Hz	typ. -67 dBc/Hz
Phase noise @ 1 kHz	typ. -88 dBc/Hz
Phase noise @ 10 kHz	typ. -89 dBc/Hz

Phase noise @ 100 kHz	typ. - 99 dBc/Hz
Phase noise @ 1 MHz	typ. -124 dBc/Hz
External reference frequency	10 MHz / 2 ... 10 mW (sine or square wave)
Maximum case temperature	+55 °C
Supply voltage	+12 ... 14 V DC
Current consumption	typ. 300 mA
Input (external oscillator)	SMA-female / 50 ohms
Output / Impedance	SMA-female / 50 ohms
Case	milled aluminium
Dimensions (mm)	100 x 60 x 13
Weight	140 g