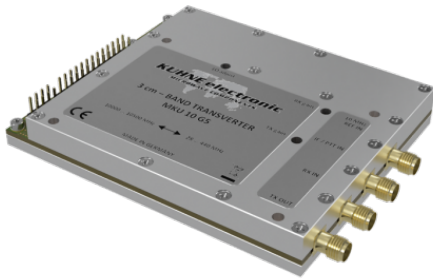


MKU 10 G5, 3 cm Transverter

NEW - NEW - NEW

- Covering full 3 cm amateur radio band from 10000 MHz to 10500 MHz
- Flexible IF choice from 28 MHz to 440 MHz
- Very high spurious and harmonic rejection even at 28 MHz IF
- Low power IF mode
- Easy configuration of the transverter with our Kuhne Suite (works with Firmware V1.1)



Description

Find a detailed description under downloads.

Features

- Covering full 3 cm amateur radio band from 10000 MHz to 10500 MHz
- Flexible IF choice from 28 MHz to 440 MHz
- Very high spurious and harmonic rejection even at 28 MHz IF
- Low power IF mode
- Input for an external 10 MHz reference source
- Local-Oscillator with high frequency stability VCTCXO
- IF range for RX and TX independent configurable
- Big attenuator at the IF input for input power up to 5 watts
- Fuses are self-resettable (polyfuses)
- Low noise converter in the receive path
- Transmit gain and receive gain separately adjustable
- Control output for additional amplifier stages or a coaxial relay
- Adjustable sequencer delay
- PTT can be switched by a voltage on the IF connector or by connecting the PTT pin to ground
- Detector output (DC voltage) for monitoring the output power

Anwendungen

Applikation MKU 10 G5 - MKU PA 3CM-2W A
Applikation MKU 10 G5 - MKU PA 3CM-4W A
Applikation MKU 10 G5 - MKU PA 3CM-8W A
Applikation MKU 10 G5 - MKU PA 3CM-30W A
Applikation MKU 10 G5 - MKU PA 3CM-60W B

Technical specifications:

RF range	10000 ... 10500 MHz
IF range	28 ... 440 MHz
IF input power	0.5 ... 5 W, adjustable
LO accuracy @ 18 °C	typ. +/- 0.5 ppm (without ext. ref.)
LO frequency stability (-5 ... +55 °C)	typ. +/- 0.5 ppm (without ext. ref.)
Phase noise @ 1 kHz	typ. -94 dBc/Hz
Phase noise @ 10 kHz	typ. -103 dBc/Hz
Phase noise @ 100 kHz	typ. -105 dBc/Hz
Phase noise @ 1 MHz	typ. -123 dBc/Hz
Output power	min. 200 mW
Spurious rejection	typ. 50 dB
Harmonic rejection	typ. 48 dB

RX gain	typ. 25 dB
Noise figure @ 18 °C	typ. 1.3 dB
External reference input	10 MHz / 2 ... 10 mW (sine or square wave)
Reference input connector	SMA-female, 50 ohms
PTT control	contact closure to ground or +12 V on the IF-cable
Supply voltage	+13.8 V DC (+12 ... 14 V DC)
Current consumption	typ. 580 mA
Case	milled aluminium
Dimensions (mm)	100 x 80 x 14
IF connectors / impedance	SMA-female, 50 Ohms
RF connectors / impedance	SMA-female, 50 ohms (separate RX/TX connectors)
Weight	370 g (typ.)