

MKU 13 G4, 23 cm Transverter

1,3 GHz Transverter

Adjustable IF



Bias Tees

Features

- Input for an external 10 MHz reference source
- Internal stabilized oscillator (can be used instead of 10 MHz reference frequency)
- Switchable IF frequency (144 ... 146 MHz, 50 ... 52 MHz, 28 ... 30 MHz)
- Very high spurious and harmonic rejection even at 28 MHz IF
- 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)
- Super 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
- Low power IF mode

Anwendungen

- EME
- RX-TX switching of DB6NT transverters

Accessories

Included accessories:

Female header	1 piece	2x 13 mm
	1 piece	2x 4 mm

As a 10 MHz frequency source we recommend the 10 MHz GPS-Frequency Standard by ID Elektronik, DK2DB
- 10 MHz GPS-Frequency Standard (ID Elektronik, DK2DB)

Technical specifications:

RF range	1296 ... 1298 MHz
IF range	144 ... 146 MHz
-	50 ... 52 MHz
-	28 ... 30 MHz
IF input power	0.5 ... 5 W, adjustable
LO accuracy @ 18 °C	typ. +/- 1.5 ppm (without ext. ref.)
LO frequency stability (0 ... +40 °C)	typ. +/- 0.5 ppm (without ext. ref.)
Output power	min. 1 W
RX gain	typ. 20 dB
Noise figure @ 18 °C	typ. 0.6 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. 1 A (TX)
Case	milled aluminium
Dimensions (mm)	100 x 60 x 13
IF connectors / impedance	SMA-female, 50 Ohms
RF connectors / impedance	SMA-female, 50 ohms
Weight	140 g (typ.)