

MKU LNC 144, Down Converter

144 ... 146 MHz

- Downconverter for the 2m ham radio band with variable IF
- Access to Diversity and Predistortion



Features

- RX input for an additional antenna system (diversity)
- TX input for predistortion via SDR
- Control element for attenuation on TX IN
- PTT input to switch between RX IN and TX IN
- 12 V DC and PTT IN via 9 pin SUB-D

Applications

- Diversity – Upgrade your setup by applying an additional antenna system
- Predistortion – Improve your PA linearity by applying SDR based predistortion

Technical specifications:

Frequency range (RF)	144..146 MHz
Maximum input power	1 mW (0dBm)
Frequency range (IF)	28..30 MHz
Frequency range (IF)	14..16 MHz
Noise figure @ 18 °C	typ. 1.3 dB, max. 1.5 dB
Gain @ 25 °C	typ. 30 dB
Output IP3	27 dBm
ext. LO frequency	116 MHz, 130 MHz
LO connector / impedance	SMA-female, 50 ohms
Input return loss (S11)	typ. 10 dB
Supply voltage	+12 ... 14 V DC
Current consumption	typ. 190 mA (RX), typ. 60 mA (TX)
Input connector / impedance	SMA-female, 50 ohms
Output connector / impedance	SMA-female, 50 ohms
DC input connector	SUB-D plug, 9-pole
Case	aluminium case, anodized
Dimensions (mm)	104 x 69 x 24