

### MKU PA 2M-120W HY, VHF MOSFET-Power Amplifier

144 ... 146 MHz • 120 W

VHF MOSFET Power Amplifier for the Amateur Radio Band 2 m



#### Features

- Good linearity
- Built-in low pass filter for good harmonic rejection
- Reverse polarity protection
- Monitor output for forward power detection

#### Applications

- Analog and digital transmission systems
- Power amplifier for radio amateur applications (SSB, CW)

#### Important notes

Please notice the following:

- Recommended output power for radio amateur applications: Modulation type: CW/FM up to 120 W, SSB up to 40 W
- The technical specifications refer to room temperature.
- The power amplifier doesn't contain any coaxial relays.
- The recommended combination of heat sink and fan(s) is only specified for an ambient temperature of 25 °C.
- Further information about dimensioning of heat sinks is available on our FAQ site.

#### Industrial use

Our power amplifiers of the MKU-series are exclusively intended for amateur radio applications and will only be sold to radio amateurs with a licence. These products are specified for amateur radio requirements and are not designed for industrial applications. Please notice our list of industrial products or ask for a special version.

#### Technical specifications:

Frequency range	144...146 MHz
Input power	typ. 100 mW
Saturation power	typ. 120 W (CW)
Gain (small signal)	typ. 40 dB, min. 35 dB
Harmonic rejection	typ. 60 dB
Supply voltage	+12 ... 14 V DC
Quiescent current	typ. 8 A
Current consumption	max. 21 A
Operating case temp. range	-20 ... +55 °C
VSWR of load	max. 1.8 : 1
Input connector / impedance	SMA-female / 50 ohms
Output connector / impedance	N-female / 50 Ohms
Case	milled aluminium
Dimensions (mm)	124 x 80 x 22
Weight	400 g (typ.)