

## MKU PA 23CM-1W A, GaAs FET power amplifier

1240 ... 1300 MHz • 1 W

Linear Power Amplifier for the Amateur Radio Band 23 cm

This amplifier with an output power of 1 watt is suitable as driver amplifier or for low power applications. Because of the small mechanical dimensions of the milled aluminium case, it is easy to integrate into compact systems.



### Features

- High linearity (class A operation)
- Reverse polarity protection
- Milled aluminium case
- Small mechanical dimensions

### Applications

- Low power applications
- Driver amplifier
- Analog and digital transmission systems

### Important notes

Please notice the following:

- 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	1240..1300 MHz
Maximum input power	50 mW
Saturation power	typ. 1 W
Supply voltage	+12 ... 14 V DC
Quiescent current	typ. 300 mA
Current consumption	max. 0.45 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	SMA-female / 50 ohms
Case	milled aluminium
Dimensions (mm)	50 x 30 x 22
Weight	65 g (typ.)