

MKU PA 3CM-8W A, GaAs-Fet Power Amplifier

10300 ... 10400 MHz • 8 W

Power Amplifier for the Amateur Radio Band 3 cm



Features

- GaAs FET technology
- High linearity (class A operation)
- Detector output (DC voltage) for monitoring forward output power
- Reverse polarity protection
- Small mechanical dimensions

Applications

- 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	10300..10400 MHz
Input power	typ. 200 mW
Maximum input power	300 mW
Saturation power	min. 10 W
Gain (small signal)	typ. 17 dB
Supply voltage	+12 ... 14 V DC
Current consumption	typ. 4 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)	130 x 60 x 20
Weight	250 g (typ.)