

MKU PA 6CM-100W A, GaAs FET power amplifier

5740 ... 5780 MHz • 100 W

Power Amplifier for the Amateur Radio Band 6 cm



Features

- GaAs FET technology
- High linearity (class A operation)
- Detector output (DC voltage) for monitoring forward output power
- Reverse polarity protection
- Overheat protection
- ON / OFF control with DC voltage

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	5740..5780 MHz
Input power	typ. 200 mW
Maximum input power	350 mW
Saturation power	typ. 100 W
ON voltage	+5 ... 14 V DC
Supply voltage	+12 V DC
Current consumption	typ. 28 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)	158 x 64 x 22
Weight	380 g (typ.)