

25.08.2023

MKU PA 3CM – 60W C



Manual

V 1.0

Specification

Specifications (Ta = 25 °C):

Type	MKU PA 3CM – 60W C
Frequency range	10300 ... 10400 MHz
Input power	
For Saturation	typ. 6 dBm
Maximum	8 dBm
Output power	
Saturation	typ. 47.8 dBm, min. 47.4 dBm
Saturation	typ. 60 W, min. 55 W
Gain	
Small signal	typ. 48 dB
Flatness (small signal)	typ. +/-1 dB
Harmonics	
Harmonic rejection @ 47 dBm	typ. 40 dB
Protection	
Over temperature protection	Yes
Supply voltage	+12 ... 14 V DC
ON voltage	+5 ... 15 V DC
Quiescent current	typ. 12 A
Current consumption	max. 26 A
Monitor output	
Forward detection	yes (Diode-Detector)
Limits	
VSWR of load	max. 1.8:1
Operating case temperature range	-20 ... +55 °C
Mechanics	
Input connector / impedance	SMA-female, 50 ohms
Output connector / impedance	SMA-female, 50 ohms
Case	milled aluminium
Dimensions (mm)	158 x 64 x 22
Weight	typ. 350 g

Features:

- GaAs FET technology
- High linearity (CLASS A operation)
- Reverse polarity protection
- ON / OFF control with DC voltage
- Monitor output for forward power detection (DC voltage)
- Overtemperature shutdown at 65°C case temperature

Applications:

- COFDM – systems using modulation types QPSK, QAM
- Analog transmission system

Amplifier should be mounted on heat sink!

- 1) Single carrier; 64 QAM; 8Mps; EVM=2%
- 2) Two tone test; $\Delta f=1\text{MHz}$

CE Konformität / CE Conformity

EMC directive 2014/30/EU
 Low voltage directive 2014/35/EU
 RoHS directive 2011/65/EU



Sig.: _____

QS.: _____

Dimensions / Mounting holes

