

09.05.2023

KU PA 9501050 – 30 A



Manual

V 1.0

Specification

Specifications (Ta = 25 °C):

Type	KU PA 9501050 – 30 A
Frequency range	9500 ... 10500 MHz
Input power For P1dB Maximum	typ. 2 dBm 7 dBm
Output power P1dB P1dB COFDM 1) COFDM 1)	typ. 44.7 dBm, min. 44 dBm (CW) typ. 30 W, min. 25 W (CW) typ. 37 dBm, min. 34.8 dBm typ. 5 W, min. 3 W
Gain Small signal Flatness (small signal)	typ. 48 dB typ. +/-2 dB
Harmonics Harmonic rejection @ 44 dBm	typ. 40 dB
Protection Over temperature protection	Yes
Intermodulation distortions IM3 @ 40 dBm PEP 2)	typ. 35 dBc
Efficiency @ 44 dBm (CW)	min. 15 %
Supply voltage ON voltage	+12 ... 14 V DC +5 ... 15 V DC
Current consumption @ P1dB	typ. 14 A
Monitor output Forward detection	yes (Diode-Detector)
Limits VSWR of load Operating case temperature range	max. 1.8:1 -20 ... +55 °C
Mechanics Input connector / impedance Output connector / impedance Case Dimensions (mm) Weight	SMA-female, 50 ohms SMA-female, 50 ohms milled aluminium 158 x 64 x 22 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
- Measurement, Laboratory equipment

Amplifier should be mounted on heat sink!

- 1) Single carrier; 64 QAM; 8Msps; EVM=2%
- 2) Two tone test; Δf=1MHz

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

