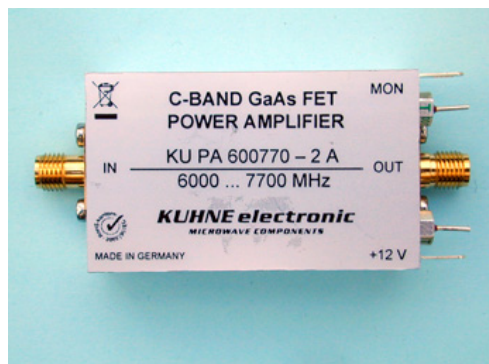


KU PA 600770-2 A, RF Power Amplifier

6000 ... 7700 MHz • 2 W



Features

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

Applications

- Low power applications
- Measurement and laboratory equipment
- Analog and digital transmission systems
- Amateur radio

Technical specifications:

Frequency range	6000..7700 MHz
Input power for P1dB	max. 10 dBm
Maximum input power	+15 dBm
Output power P1dB	typ. 33 dBm, min. 32.5 dBm (CW) typ. 2 W, min. 1.8 W (CW)
Output power P3dB	typ. 34.8 dBm, min. 34 dBm (CW) typ. 3 W, min. 2.5 (CW)
Output power COFDM (1)	typ. 26 dBm, min. 24 dBm typ. 400 mW, min. 250 mW
Gain (small signal)	typ. 28 dB, min. 26 dB
Gain flatness (small signal)	typ. +/- 1.5 dB
Harmonic rejection	min. 25 dB @ 31.7 dBm
IM3 (2)	min. 25 dBc @ 30 dBm PEP
Efficiency	typ. 10 % @ 33 dBm PEP
Input return loss (S11)	typ. 10 dB
Supply voltage	+12 ... 14 V DC
Quiescent current	typ. 1.2 A
Current consumption	max. 1.7 A
Forward detection	yes (diode detector)
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 18
Weight	45 g (typ.)
(1)	Measured with QAM 64, single carrier, EVM: 2%
(2)	Measured 2-tone, frequency spacing: 1 MHz