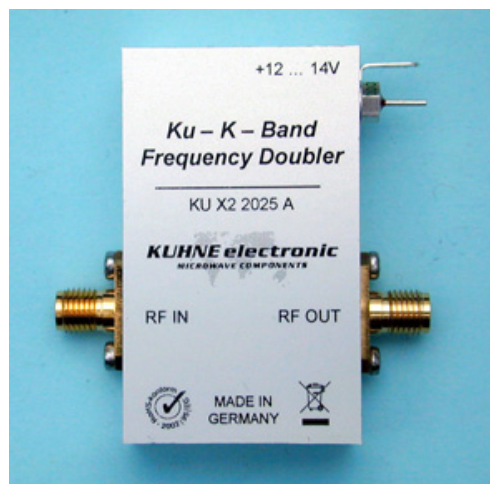


KU X2 2025 A, Frequency Doubler

10 ... 12,5 GHz / 20 ... 25 GHz

X-K Band Frequency Doubler



Features

- Reverse polarity protection

Important notes

- Usable from 4 GHz to 13 GHz input frequency. Outside the specified frequency range data could deviate.
- To improve the fundamental suppression we recommend the usage of a waveguide highpass R220.

Waveguide highpass R220

- Waveguide highpass R220, consisting of two waveguide transitions R220 - SMA MKU WGT 24-1-SMAF and MKU WGT 24-1-SMAM (picture 2)
- A typical let-through characteristic of this high-pass filter can be found on downloads

Technical specifications:

Input frequency	10000..12500 MHz
Output frequency	20 ... 25 GHz
Input power	typ. 4 dBm, max. 10 dBm
Output power	typ. 25 mW, min. 20 mW
Fundamental rejection	typ. 15 dB, min. 11 dB
Supply voltage	+12 ... 14 V DC
Current consumption	typ. 110 mA
Input connector / impedance	SMA-female, 50 ohms
Output connector / impedance	SMA-female, 50 ohms
Case	milled Aluminium
Dimensions (mm)	50 x 30 x 17
Weight	220 g (typ.)