

RF Filter cf866.5 / 30W

sysmocom

systems for mobile communications GmbH



This is a cavity filter for the 868 (863-870) MHz ISM-Band.

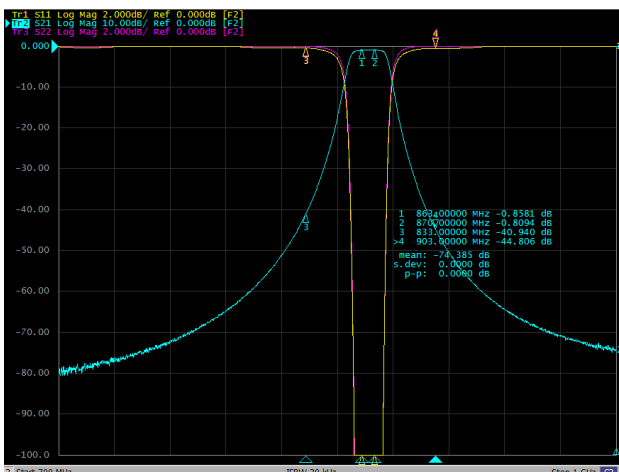
You can use it to attenuate any out-of-band interference from strong transmitters such as cellular base stations while receiving the intended ISM band signals. The filter works for any 868 MHz ISM band system, such as LoRA, Sigfox, Helium, UHF-RFID, Burgler Alarms, Smart Meters, Wireless Microphones, Assistive Listening Devices, Fire Alarms, etc.

All connectors are SMA (female).

It can support up to 30W of RF power.

It is not suitable for outdoor environments.

Attenuation Diagram



Beyond this product

sysmocom not only offers this product, but a variety of other products and services, such as

- **sysmoNITB 2G starterkit** complete ready to run 2G solution for lab testing and training
- **sysmoNITB 3.5G starterkit LE** sysmocom's first ready to run 3.5G solution
- **sysmoBSC** Base Station Controller, supporting Abis/IP as well as legacy E1 interfaces
- **sysmoNITB** autonomous self-contained GSM network
- **sysmoSIM** SIM cards, pre-programmed and with custom printing
- **sysmoBTS** range from 1TRX 0.2W to 2TRX 2x10W
- extensive portfolio of **support contracts** for all sysmocom Products
- **training services** for installation, network deployment, operation
- **vendor-agnostic integration** and inter-operation with other vendor RAN and Core Network products
- variety of sectorized and omni-directional **antennas** as well as **RF cabling** and **accessories**

Custom-tailored GSM solutions

sysmocom is not just another RAN vendor with a fixed product portfolio. All our products are based on Open Source software components, permitting customization both by sysmocom as well as the customer.

Access to the source code is key in enabling our customers to create products and services outside the constraints of existing, standardized GSM protocols, interfaces or procedures. Any aspect of our products can be modified according to customer needs.

Contact Information

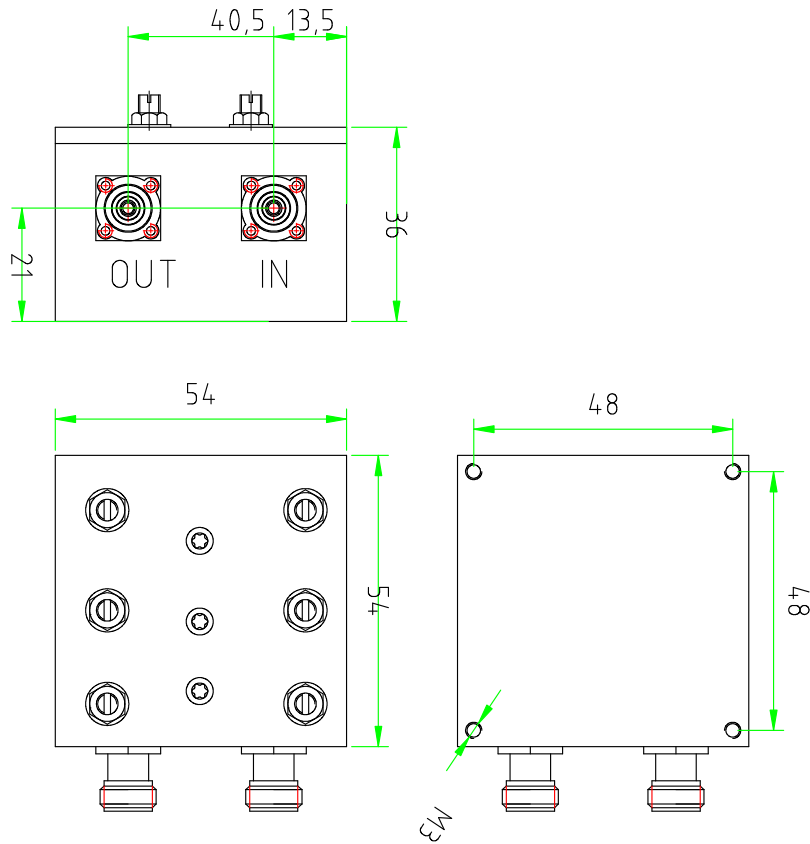
We appreciate inquiries from end-users, operators as well as retailers.

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Dimensions



Specifications

Pass Band	863 - 870 MHz
Insertion Loss	1.0 dB
Passband Ripple	0.2 dB
Rejection	DC - 833 MHz \geq 40 dB 903 - 1800 MHz \geq 40 dB
VSWR	\leq 1.25
Impedance	50 Ohms
DC-Short	Yes
Power	30 W average RF power
Temperature	-10 to 50 Centigrade
Dimensions	54x54x45 mm
Weight	220 g
IP-Rating	IP50

Order Code

cf866.5-kt30

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