

# RF Filter L-Band 1525-1705MHz / 30W **sysmocom** systems for mobile communications GmbH



This is a cavity band-pass filter for the 1525-1705 MHz L-Band, particularly useful in satellite receiver applications.

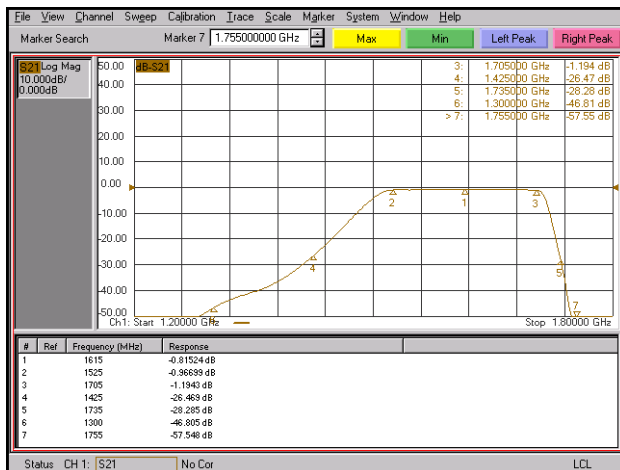
You can use it to attenuate any out-of-band interference while receiving only the wanted band. It will attenuate any transmissions from the nearby 1700/1800 MHz GSM band by  $\geq 50$  dB.

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

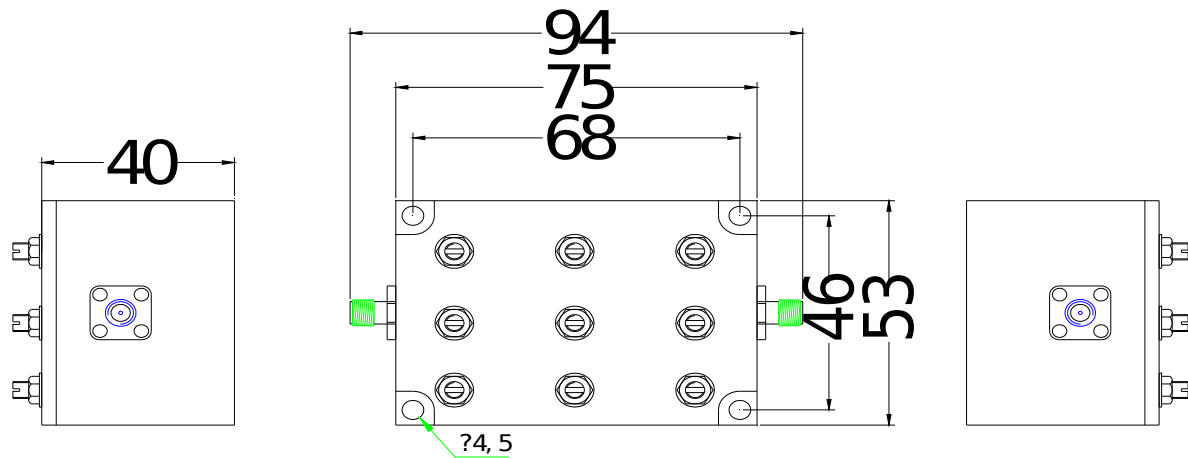
We appreciate inquiries from end-users, operators as well as retailers.

sysmocom – systems for mobile communications GmbH  
Alt-Moabit 93  
10559 Berlin  
GERMANY

Phone: +49-30-60987128-0  
Fax: +49-30-60987128-9  
e-mail: [info@sysmocom.de](mailto:info@sysmocom.de)  
web: <http://sysmocom.de/>

# RF Filter L-Band 1525-1705MHz / 30W **sysmocom** systems for mobile communications GmbH

## Dimensions



## Specifications

Pass Band	1525 - 1705 MHz
Insertion Loss	1.0 dB
Passband Ripple	0.8 dB
Rejection	50 dB @ >1750 MHz 50 dB @ <1 GHz
VSWR	<=1.20
Impedance	50 Ohms
Power	30 W average RF power
Temperature	-10 to 50 Centigrade
Dimensions	94x53x45 mm
Weight	200 g
IP-Rating	IP50

## Order Code

filter-rf-l-band

sysmocom – systems for mobile communications GmbH  
Alt-Moabit 93, 10559 Berlin, GERMANY

Phone: +49-30-60987128-0

Fax: +49-30-60987128-9

e-mail: [info@sysmocom.de](mailto:info@sysmocom.de)

web: <http://sysmocom.de/>