

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.

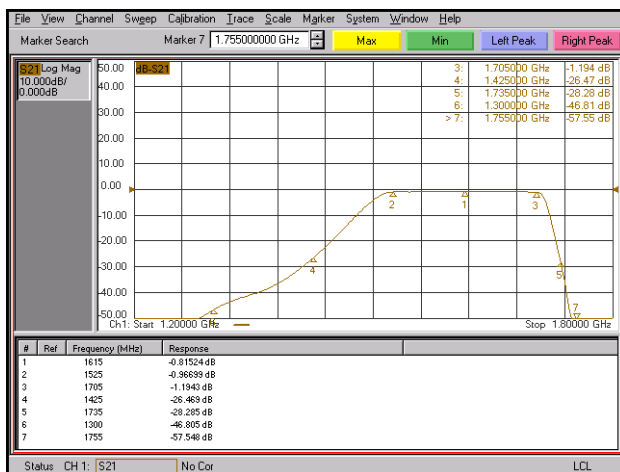
You can use it to attenuate any out-of-band interference while receiving only the wanted band. It will attenuate any transmissions from the nearby 1700/1800 MHz GSM band by ≥ 50 dB.

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 starterkit** complete ready to run 2G, 3G5 and/or 4G solution for lab testing
- **Cellular Network Infrastructure** a comprehensive suite of elements for 3GPP cellular networks
- **sysmoOCTSIM / sysmoQMOD** solution for remote SIM operation for cellular modems
- **SIMtrace2** debug and trace SIM card communication
- **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.

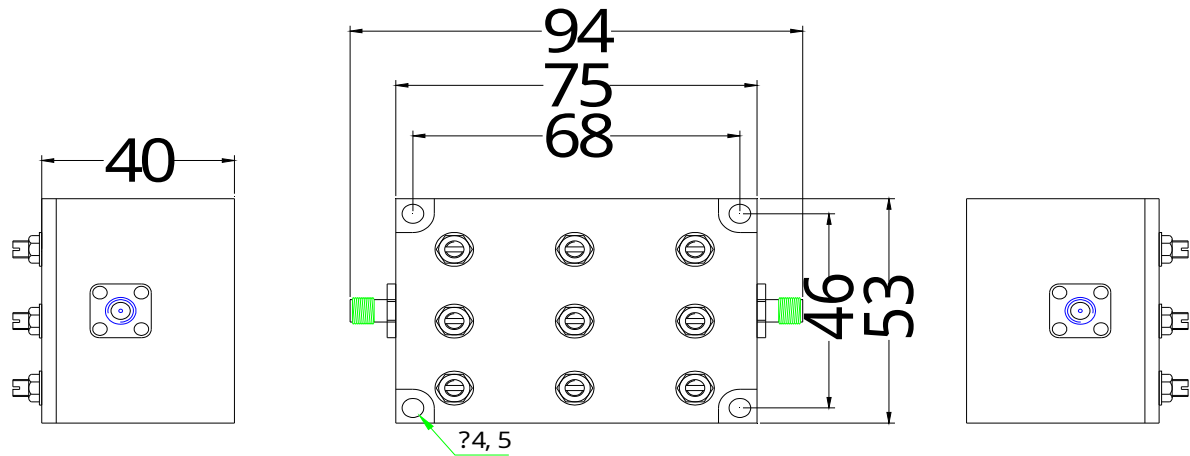
Contact Information

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

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Dimensions



Specifications

Pass Band	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

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