

# RF Duplexer 1900MHz / 30W



This is a cavity duplexer for 1900 MHz PCS / UMTS / LTE Band 2 operation.

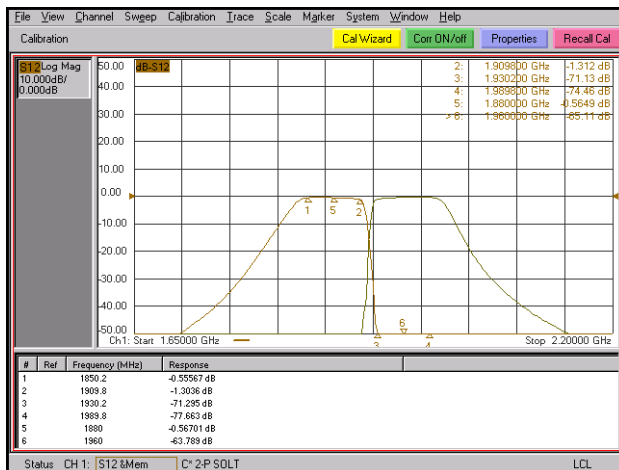
You can use it to operate a GSM BTS (like our sysmoBTS) or any other BTS/NodeB/eNodeB with separate Rx and Tx ports at a single antenna.

All connectors are SMA (female).

It can support up to 30W of RF power.

It is not suitable for outdoor environments.

## RX/TX 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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## Specifications

	TX	RX
Pass Band	1930 - 1990 MHz	1850 - 1910 MHz
Insertion Loss	1.0 dB	1.0 dB
Passband Ripple	0.2 dB	0.2 dB
Rejection	60 dB @ 80-850 MHz 60 dB @ 1-3 GHz	60 dB @ 80-800 MHz 60dB @ 1-3 GHz
Return Loss	minimum 20 dB	
Impedance	50 Ohms	
Coupling Port	-30 dB (+/- 1.5 dB)	
Power	30 W average RF power	
Temperature	-20 to 75 Centigrade	
Dimensions	170x56x47 mm	
Weight	550 g	
IP-Rating	IP50	
Order Code	dx1900-kt30	

## Order Code

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