

# RF Duplexer 850 MHz / 30W



This is a cavity duplexer for 850 MHz GSM / UMTS / LTE Band 5 operation.

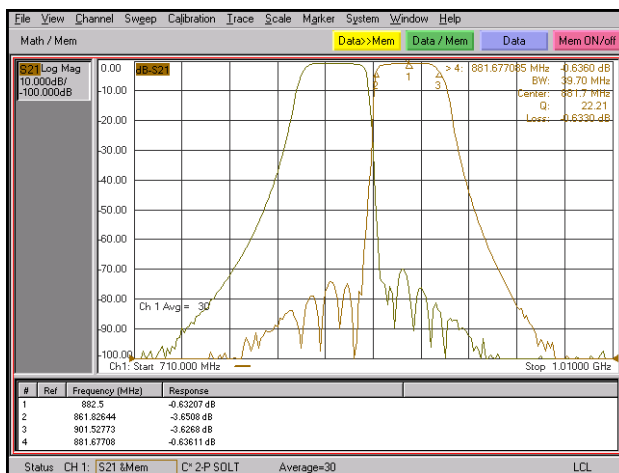
You can use it to operate a GSM BTS (like our sysmoBTS) or any other BTS/NodeB/eNodeB with separate Rx and Tx ports at a single antenna.

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

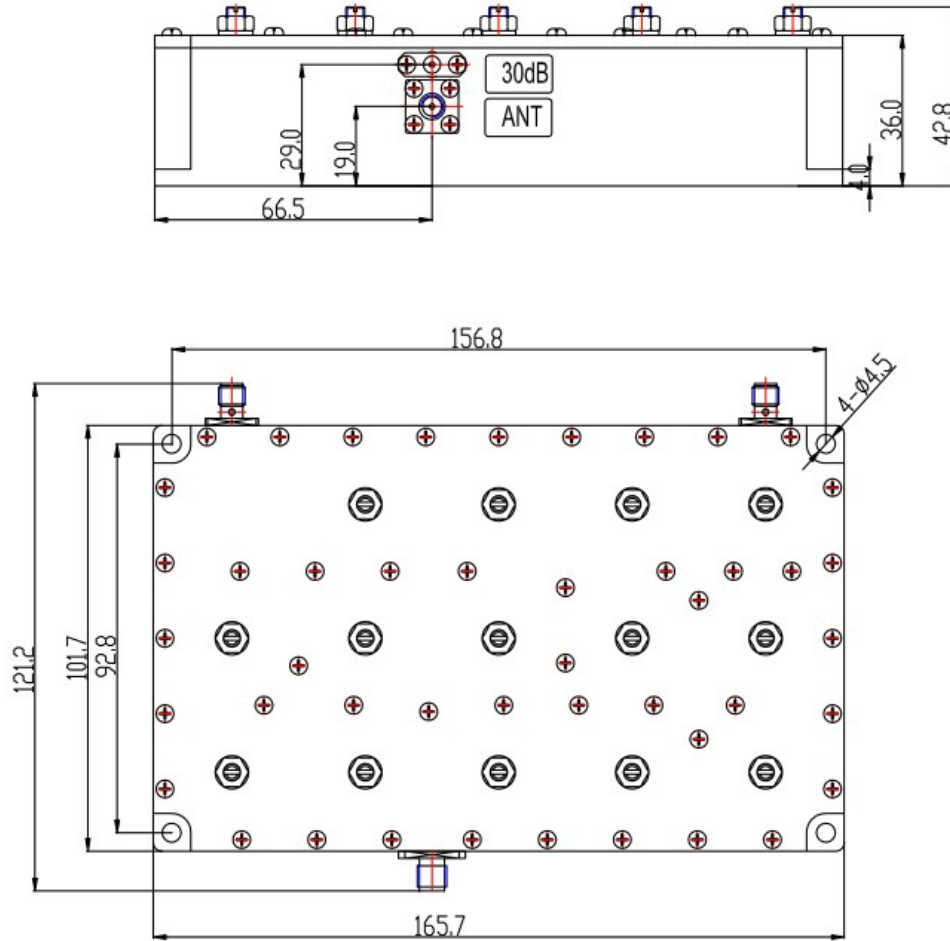
We appreciate inquiries from end-users, operators as well as retailers.

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## Dimensions



## Specifications

	TX	RX
<b>Pass Band</b>	869 - 894 MHz	824 - 849 MHz
<b>Insertion Loss</b>	1.0 dB	1.0 dB
<b>Passband Ripple</b>	0.2 dB	0.2 dB
<b>Rejection</b>	50 dB @ 80-850 MHz 50 dB @ 1-3 GHz	50 dB @ 80-800 MHz 50dB @ 1-3 GHz
<b>Return Loss</b>	minimum 20 dB	
<b>Impedance</b>	50 Ohms	
<b>Coupling Port</b>	-30 dB (+/- 1.5 dB)	
<b>Power</b>	30 W average RF power	
<b>Temperature</b>	-20 to 75 Centigrade	
<b>Dimensions</b>	166x102x36 mm	
<b>Weight</b>	815 g	
<b>IP-Rating</b>	IP50	

## Order Code

Dx850-kt30

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