RF Duplexer 750 MHz / B28 / 30W

sysmocom
systems for mobile communications GmbH



This is a cavity duplexer for 800 MHz UMTS / LTE Band 20 operation.

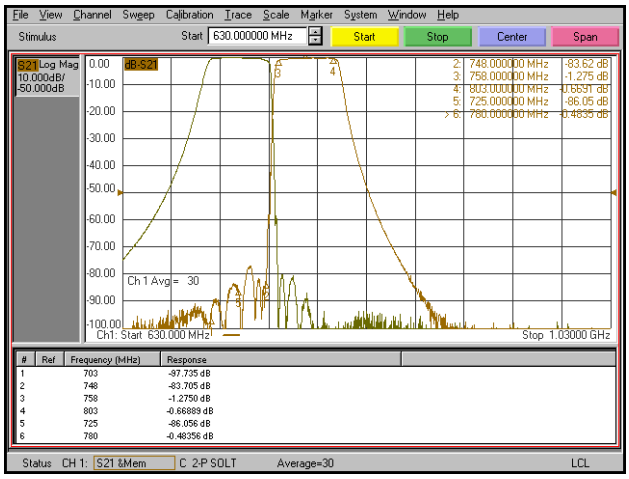
You can use it to operate a cellular base station (from sysmocom or other vendor) with separate Rx and Tx ports at a single antenna.

All connectors are SMA (female).

It can support op 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 a s 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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Siemensstr. 26A, 10551 Berlin, GERMANY

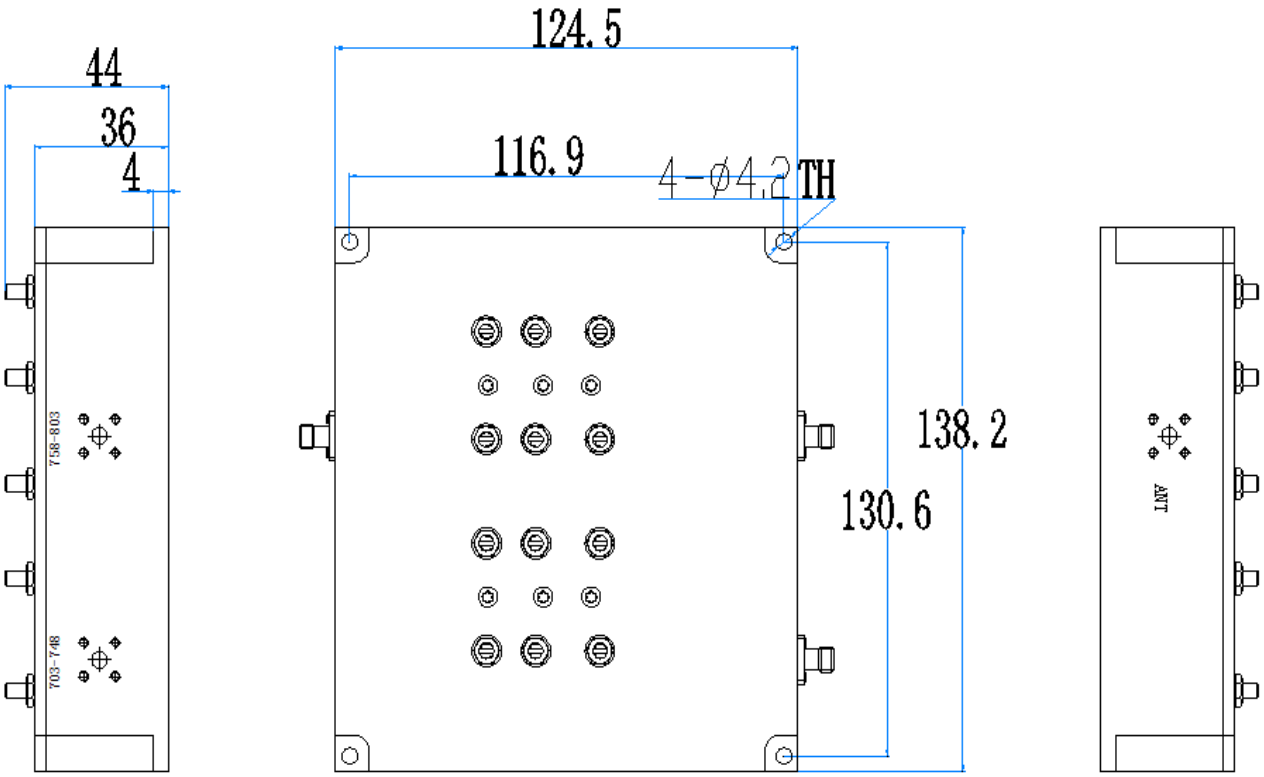
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Dimensions



Specifications

	TX	RX
Pass Band	703 – 748 MHz	758 - 803 MHz
Insertion Loss	1.2 dB	1.2 dB
Passband Ripple	0.9 dB	0.9 dB
Rejection	80 dB @ 758 - 803 MHz	80 dB @ 703 - 748 MHz
Return Loss	minimum 17 dB	
Impedance	50 Ohms	
Power	30 W average RF power	
Temperature	-10 to 65 Centigrade	
Dimensions	124x138x44 mm	
Weight	705 g	
IP-Rating	IP50	

Order Code

dx-n28-kt30

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