

## DC blocks

DC Blocks act as a high-pass filter by blocking the DC current on the RF line. The main function is to protect devices which cannot withstand any additional DC current from the remainder of the RF line.

### Features

- Broadband

### Benefits

- High repeatability

## DC blocks

Frequency (GHz)	Interface	Voltage max. (V)	Block type	H+S type	Item no.
18	SMA	50	inner	1100.19.A	22645271
5	N	250	inner	1100.17A	22550232
4	BNC	250	inner	1100.01.A	22550233
5	TNC	250	inner	1100.26.A	23001075



## Impedance matching pads

Matching pads connect two systems with different impedances values (50 and 75  $\Omega$ ) with minimal reflection.

### Features

- Interface according MIL standard

### Benefits

- High repeatability
- Very low return loss

## Impedance matching pads

Interface	Frequency (GHz)	VSWR at 50 $\Omega$	Power max. (W)	H+S type	Item no.
BNC50(m) - 75(f)	1	1.1	1	6001.01.A	22543737
BNC50(f)-75(m)	1	1.1	1	6001.01.B	22550085
N50(f)-75(m)	1	1.1	1	6001.17B	22642806
N50(m)-75(f)	1	1.1	1	6001.17A	22642807
N50(m)-BNC75(f)	1	1.1	1	6001.00.0001	22649583
N50(f)-BNC75(m)	1	1.1	1	6001.00.0002	22651259



## Resistive power dividers

These dividers are used to equally split an input signal into two 6 dB output channels. (Not suitable for use as a combiner!)

### Features

- Broadband
- Low isolation
- Very good return loss

### Benefits

- Cost effective solution to tap off a signal
- without using an expensive broadband coupler.

### Resistive power divider

Interface	Frequency (GHz)	VSWR	Power max. (W)	H+S type	Item no.
BNC (fff)	2	1.15	1	4901.01.A	22550077
BNC (mff)	2	1.15	1	4901.01.B	22550078
TNC (mff)	2	1.15	1	4901.26.B	22550165
N (fff)	2	1.15	1	4901.17.A	22550252
TNC (fff)	2	1.15	1	4901.26.A	22640656
SMA (fff)	12.4	1.2	0.5	4901.19.A	22641657
N (mff)	2	1.15	1	4901.17.B	22643830

Note: BNC (mff) - all the three ports are BNC: male, female, female



## Diplexer

A diplexer basically acts as a splitter but is in addition capable of separating different frequency bands between both output channels. A diplexer therefore allows for instance efficient combining of WiMax and W-LAN signals within a distributed in-building cellular network equipped with broadband 6GHz antennas.

### Features

- Broadband
- Low loss
- Intermodulation -150dBc (2X43dBm)

### Benefits

- Good directivity and VSWR

### Diplexer

Interface	Frequency (MHz)	VSWR	Feature	H+S type	Item no.
N	80 - 2700 3300 - 5850	1.3	WiMax	7501.17.0010	84045217
N	80 - 2170 2400 - 2500	1.3	WLAN	7501.17.0012	84019435



# Coupler

Couplers are used in almost every field of the Test+Measurement and telecommunication markets, primarily to combine multi-band wireless antennas. They can be used to tap off one part of the input signal as either a combiner or divider.

## Features

- Broadband
- Low loss

## Benefits

- Good directivity and VSWR

## Directional coupler

Interface	Coupling value (dB)	Frequency (GHz)	VSWR	H+S type	Item no.
N	5	2.5	1.25	7205_N-50-1	84057612
N	6	2.5	1.25	7206_N-50-1	84057613
N	7	2.5	1.25	7207_N-50-1	84057614
N	8.5	2.5	1.25	7208_N-50-1	84057615
N	10	2.5	1.25	7210_N-50-1	84057617
N	13.2	2.5	1.25	7213_N-50-1	84057618
N	15	2.5	1.25	7215_N-50-1	84057619
N	20	2.5	1.25	7220_N-50-1	84057620
N	30	2.5	1.25	7230_N-50-1	84057621
N	3	2.7	1.2	7203_N-50-2	84057610
SMA	5	2.5	1.25	7205_SMA-50-1	84064336
SMA	6	2.5	1.25	7206_SMA-50-1	84064337
SMA	7	2.5	1.25	7207_SMA-50-1	84064338
SMA	8.5	2.5	1.25	7208_SMA-50-1	84064340
SMA	10	2.5	1.25	7210_SMA-50-1	84064341
SMA	13.2	2.5	1.25	7213_SMA-50-1	84064342
SMA	15	2.5	1.25	7215_SMA-50-1	84064343
SMA	20	2.5	1.25	7220_SMA-50-1	84064344
SMA	30	2.5	1.25	7230_SMA-50-1	84064345



## Hybrid coupler

Interface	Coupling value (dB)	Frequency (GHz)	VSWR	H+S type	Item no.
N	3	2.7	1.2	7203_N-50-2	84057610

