

STANDARD MODELS

Model	Frequency Range X)	Coupling X) dB	Power Pmin W	Insertion Loss max dB	Directivity min dB	VSWR max Main Line	Main Line Connector 1), 2)	Coupling Line Connector 3)
BDC 0742-50/1500	0.7 ... 4.2 GHz	50 ±2	1500	0.2	20	1.3:1	7-16-f	SMA-f

S: Single directional coupler

OPTIONS

1) male RF input connector

2) alternative main line connectors

X) custom frequency range and custom coupling attenuation upon request

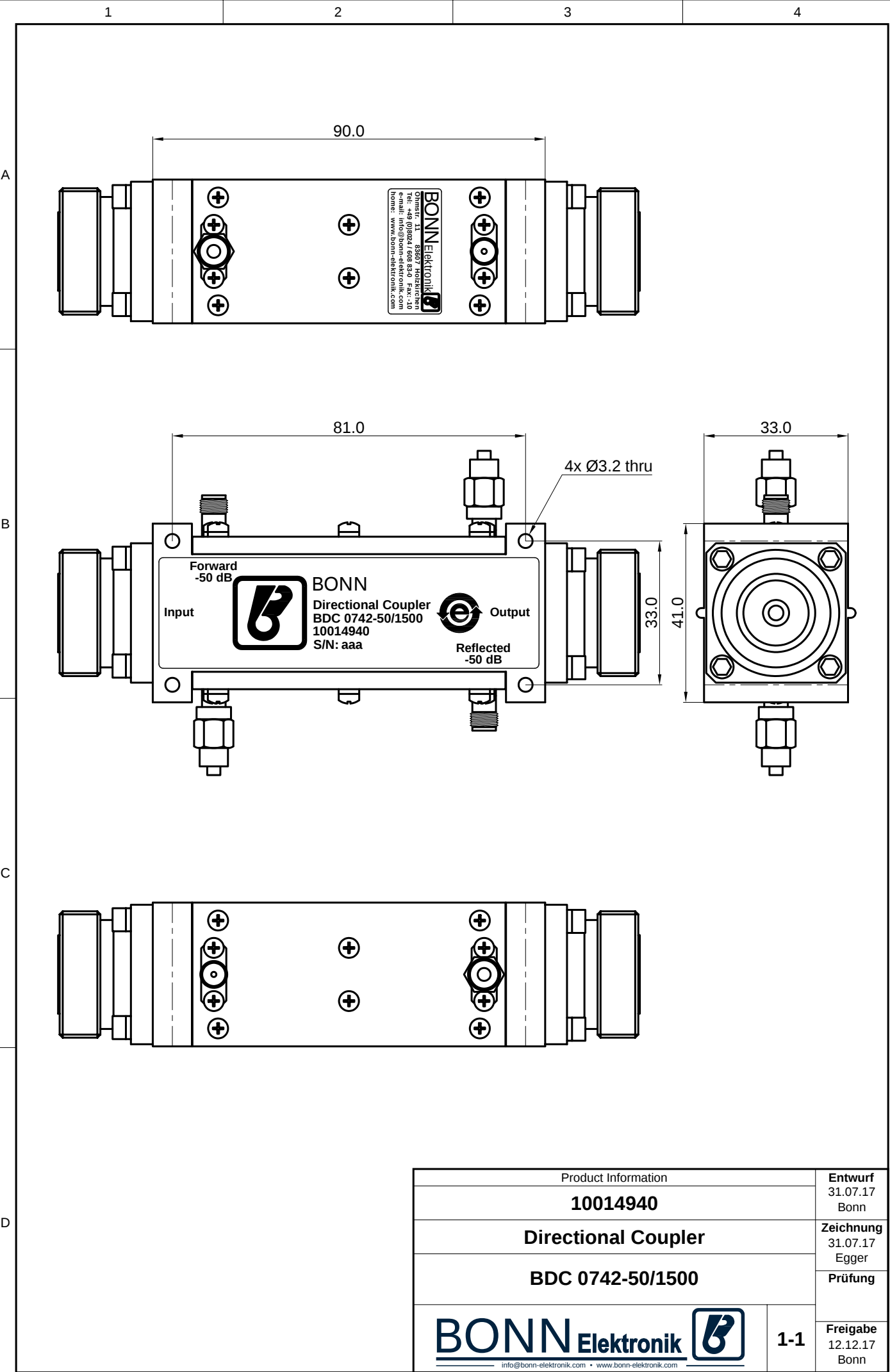
*) WRD 650: below 6.2 GHz, VSWR and directivity deteriorate

Notice:

Under normal operating conditions all Directional Couplers do not need to be mounted to a heatsink. However, if the units permanently run into high mismatch conditions at full rated power, the circuits will heat up significantly. In this case, we would recommend the units be mounted to a suitable heatsink or metal surface, capable to maintain a baseplate temperature of +60°C max.

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A

B

C

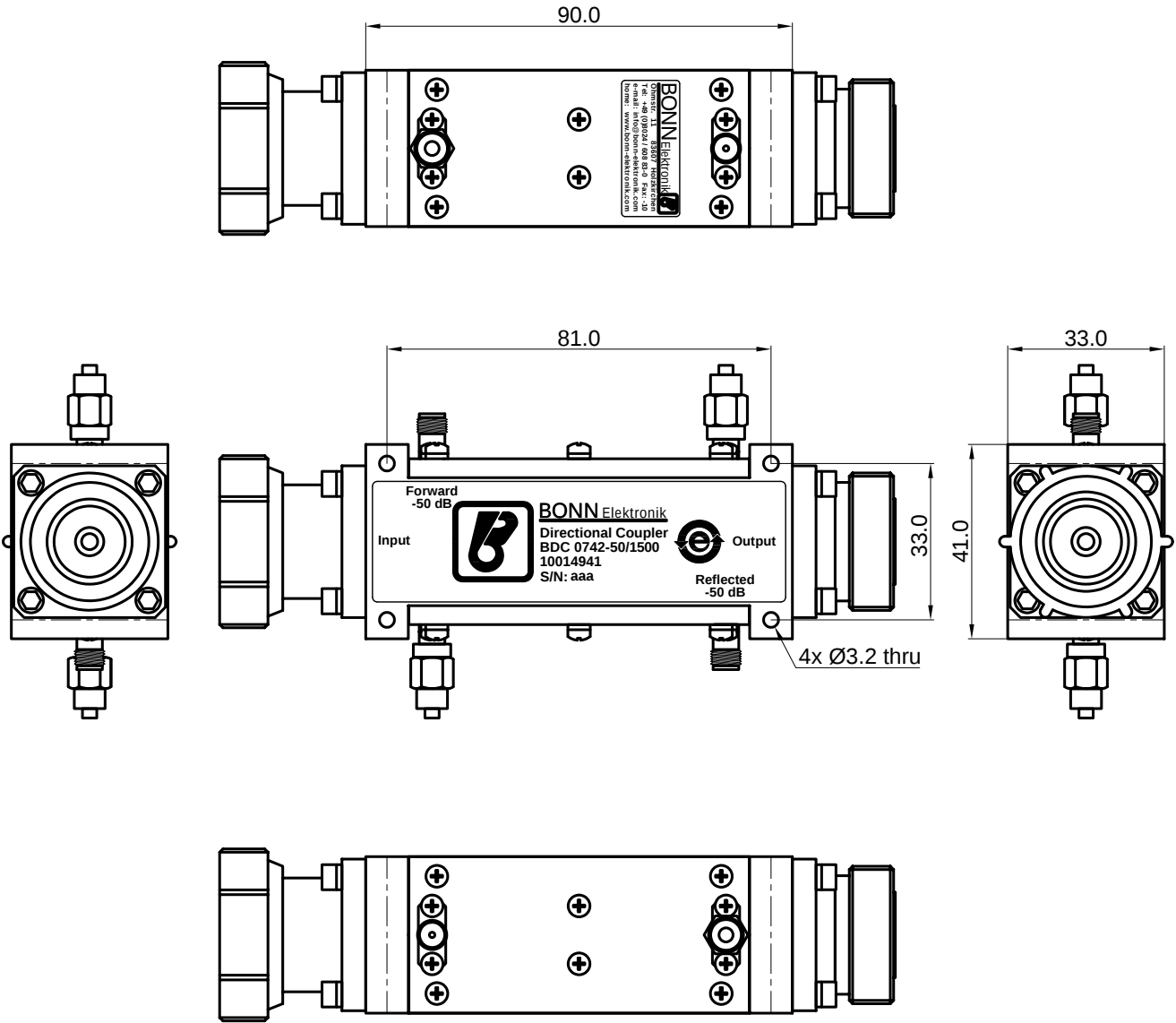
D

1

2

3

4



Product Information		Entwurf
10014941		31.07.17 Bonn
Directional Coupler		Zeichnung 31.07.17 Egger
BDC 0742-50/1500		Prüfung
BONN Elektronik 		Freigabe 05.09.17 Bonn
info@bonn-elektronik.com • www.bonn-elektronik.com		1-1

A

B

C

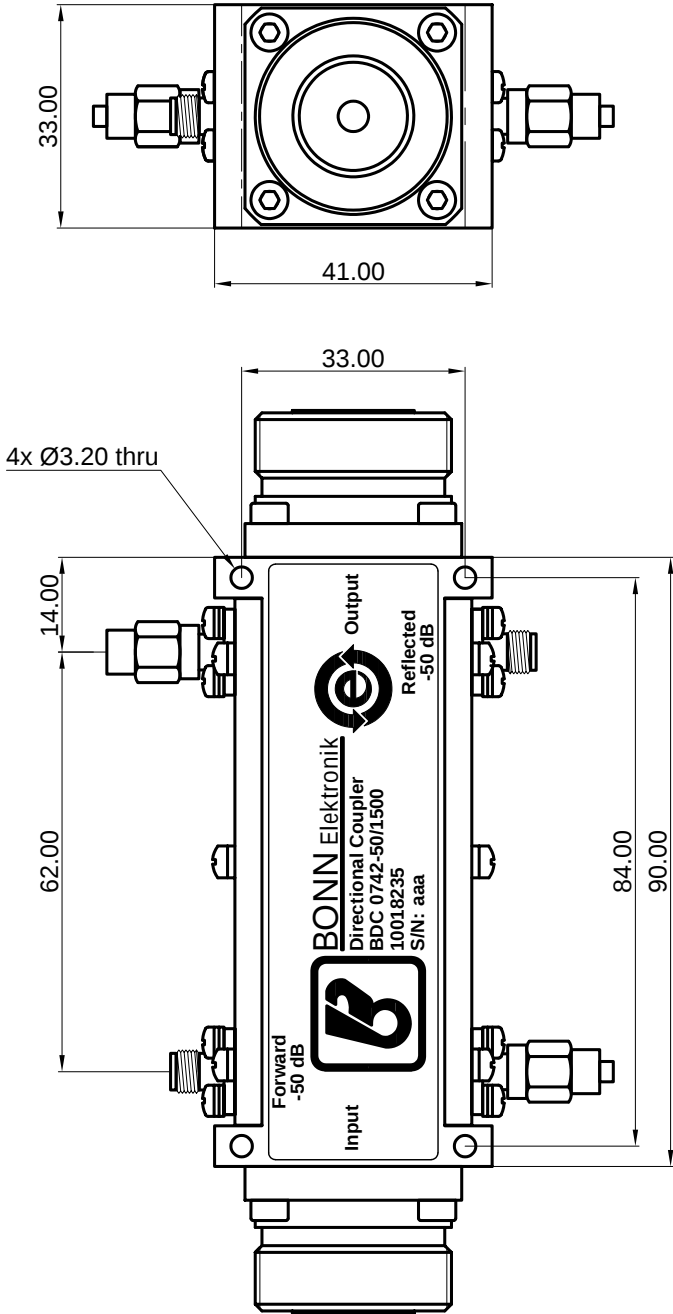
D

1

2

3

4



Product Information		Entwurf
10018235		11.02.19 Bonn
Directional Coupler		Zeichnung
		11.02.19 Bhu
BDC 0742-50/1500		Prüfung
1-1		Freigabe
		11.02.19 Bonn

A

B

C

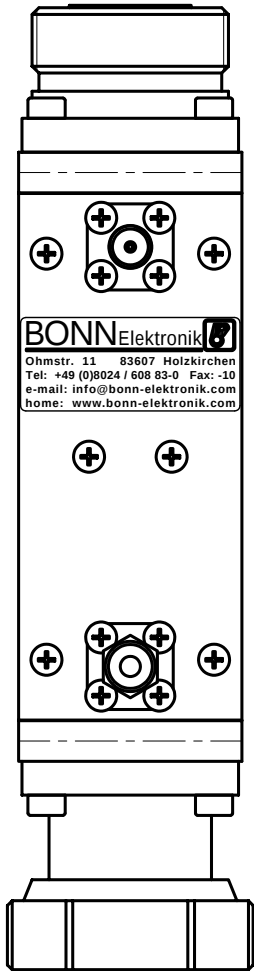
D

1

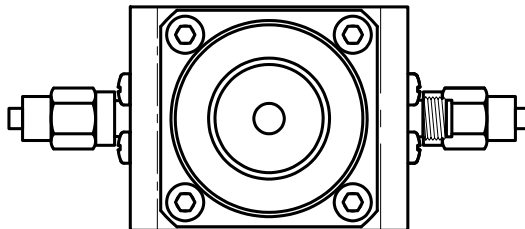
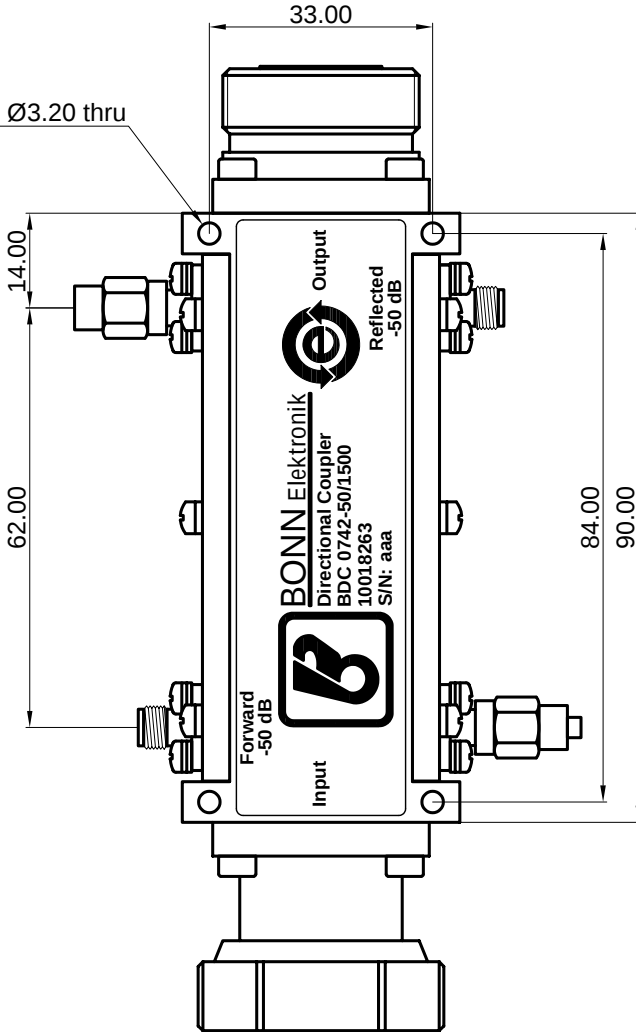
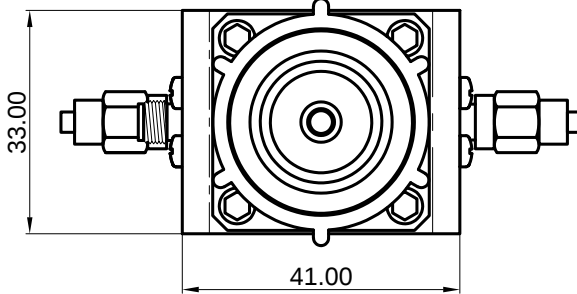
2

3

4



4x Ø3.20 thru



Product Information		Entwurf
10018263		11.02.19 Bonn
Directional Coupler		Zeichnung
BDC 0742-50/1500		11.02.19 Bhu
BONNElektronik		Prüfung
1-1		Freigabe
info@bonn-elektronik.com • www.bonn-elektronik.com		11.02.19 Bonn

A

B

C

D

1

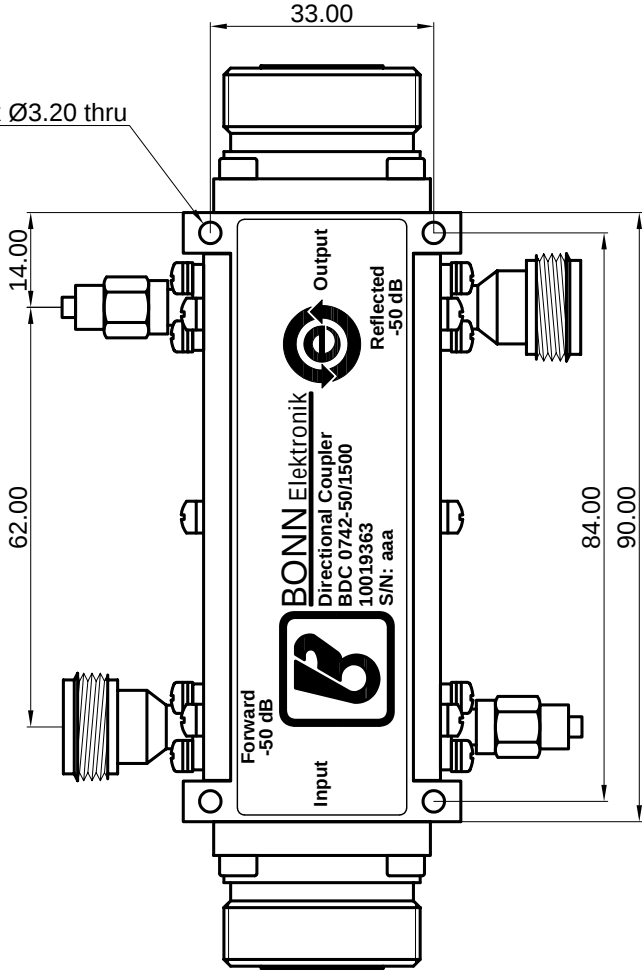
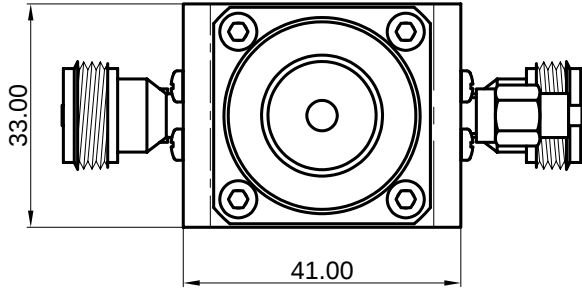
2

3

4



4x Ø3.20 thru



Product Information		Entwurf
10019363		08.11.19 Bonn
Directional Coupler		Zeichnung
BDC 0742-50/1500		08.11.19 Egger
BONNElektronik  info@bonn-elektronik.com • www.bonn-elektronik.com		Prüfung
		08.11.19 Maleta
1-1		Freigabe
		08.11.19 Bonn