

STANDARD MODELS

Model	Frequency Range X)	Coupling X) dB	Power P _{min} W	Insertion Loss max dB	Directivity min dB	VSWR max Main Line	Main Line Connector 1), 2)	Coupling Line Connector 3)
BDC 0103-40/1000	1 ... 30 MHz	40 ±1.25	1000	0.1	25	1.05:1	N-f	SMA-f

S: Single directional coupler

OPTIONS

1) male RF input connector

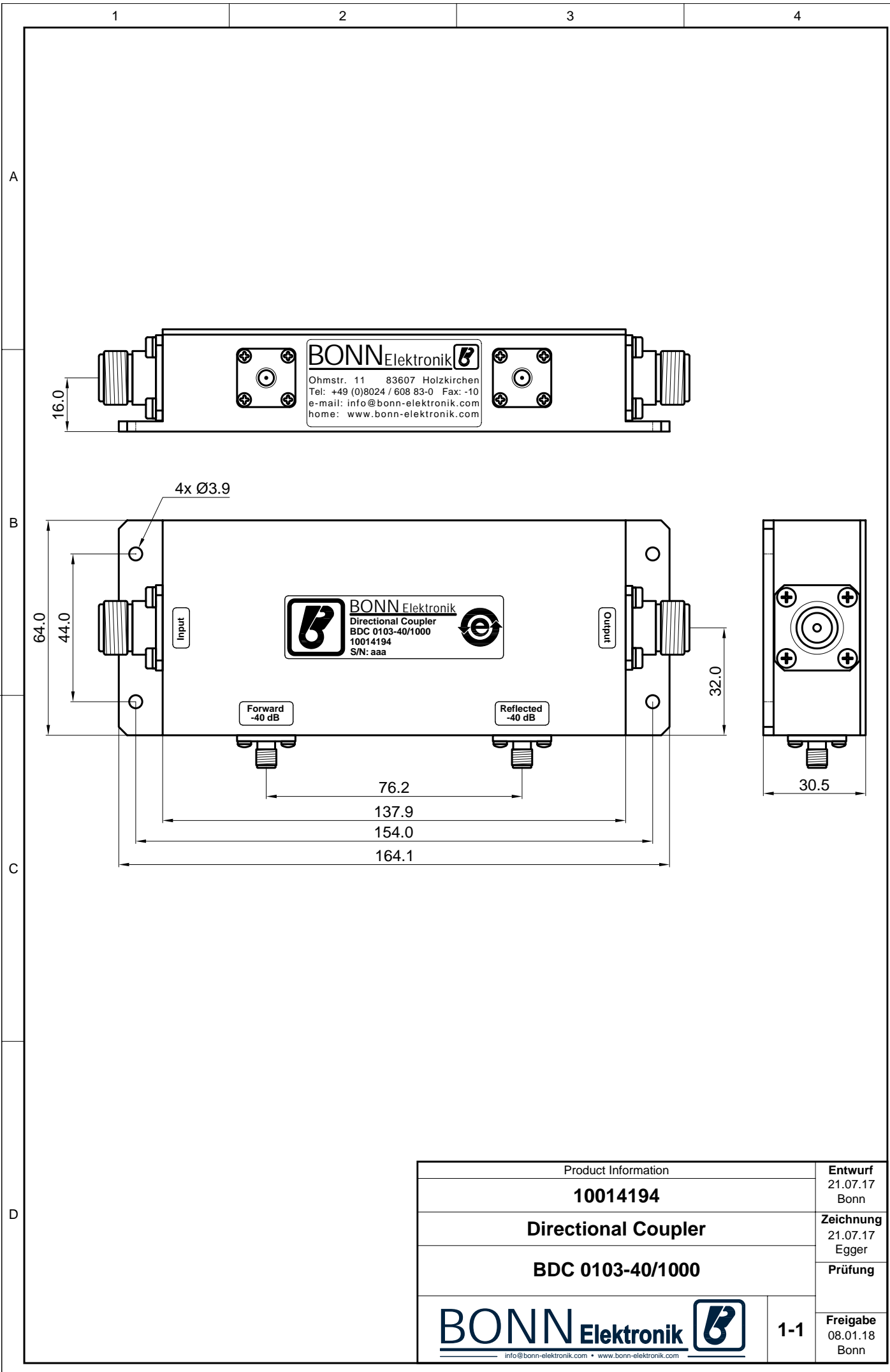
2) alternative main line connectors


X) custom frequency range and custom coupling attenuation upon request

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

Notice:

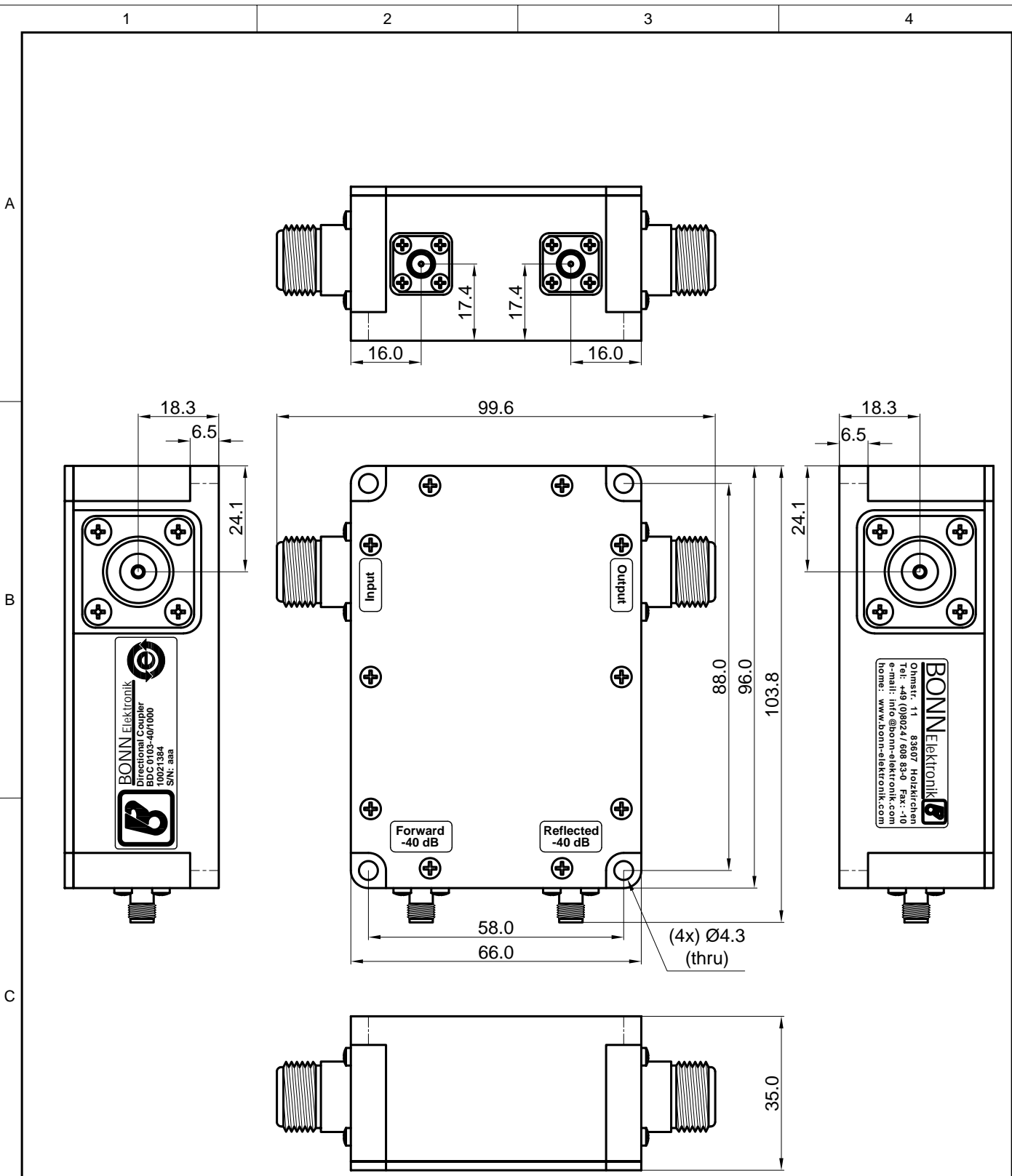
Under normal operating conditions all Directional Couplers do not need to be mounted to a heatsink. However, if the units permanently run into high mismatch conditions at full rated power, the circuits will heat up significantly. In this case, we would recommend the units be mounted to a suitable heatsink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



Product Information		Entwurf 21.07.17 Bonn
10014194		Zeichnung 21.07.17 Egger
Directional Coupler		Prüfung
BDC 0103-40/1000		Freigabe 08.01.18 Bonn
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Product Information		Entwurf
10021384		30.11.2020 Bonn
Directional Coupler		Zeichnung
BDC 0103-40/1000		30.11.2020 Benka
		Prüfung
BONN Elektronik 		Blatt
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		Freigabe
		01.12.2020 Bonn

