

# BDC 12.4 ... 18 GHz

## Directional Coupler

### STANDARD MODELS

Model	Frequency Range X)	Coupling X) dB	Power P <sub>min</sub> W	Insertion Loss max dB	Directivity min dB	VSWR max Main Line	Main Line Connector	Coupling Line Connector
BDC 1218-50/500 S: Single directional coupler	12.4 ... 18 GHz	50 ±1.6	0 / 0 ±0	0 / 0	0	2 HU, 430 mm	0	SMA-f

### OPTIONS

- 1) male RF input connector
- 2) alternative main line connectors

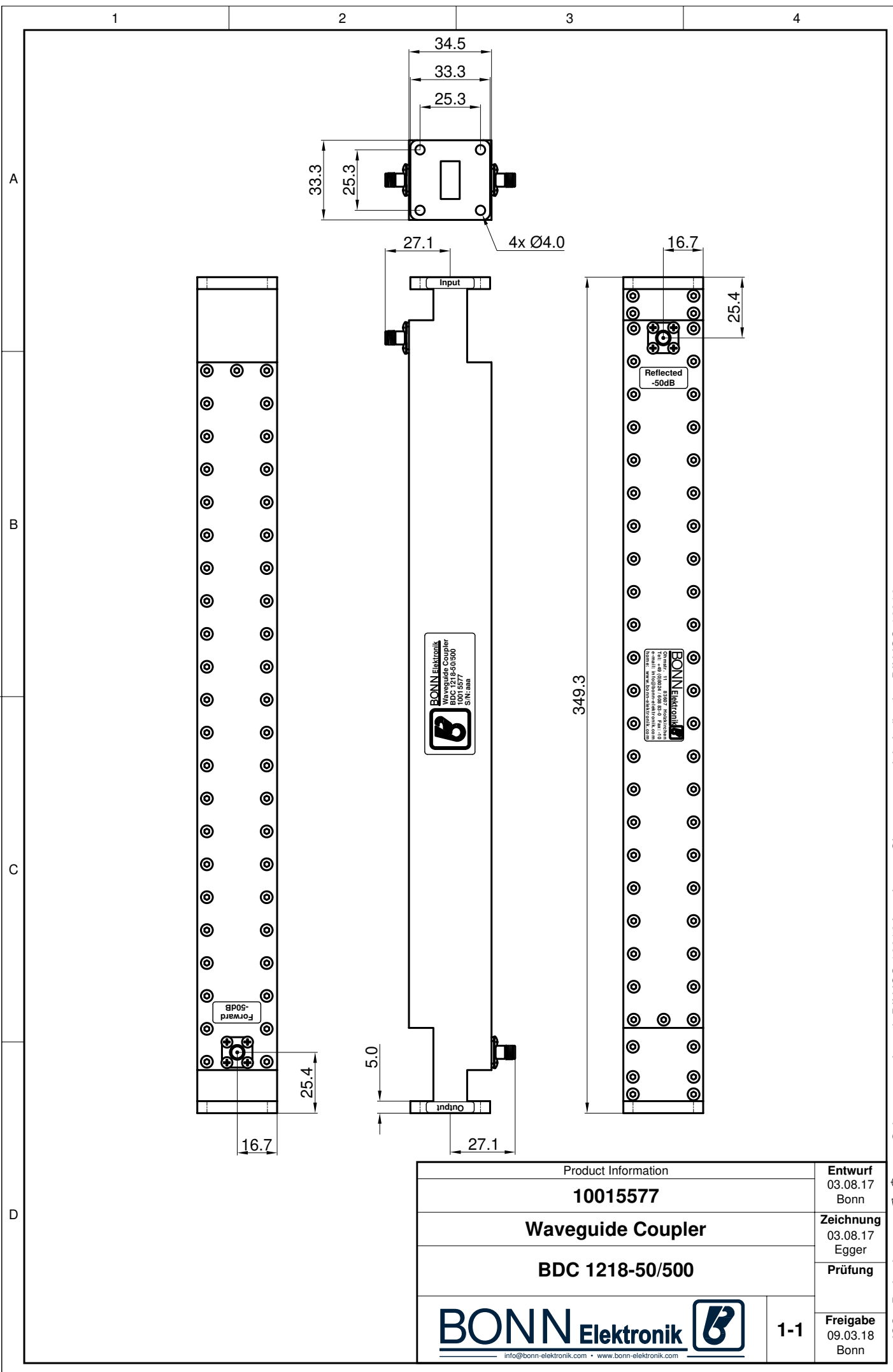
- X) custom frequency range and custom coupling attenuation upon request
- \*) WRD 650: below 6.2 GHz, VSWR and directivity deteriorate


#### 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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Product Information		<b>Entwurf</b> 03.08.17 Bonn
<b>10015577</b>		<b>Zeichnung</b> 03.08.17 Egger
<b>Waveguide Coupler</b>		<b>Prüfung</b>
<b>BDC 1218-50/500</b>		<b>Freigabe</b> 09.03.18 Bonn
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