

### 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 1218-50/500	12.4 ... 18 GHz	50 ±1.6	500	0.9	30	1.25:1	WR-62	SMA-f

S: Single directional coupler

### OPTIONS

1) male RF input connector

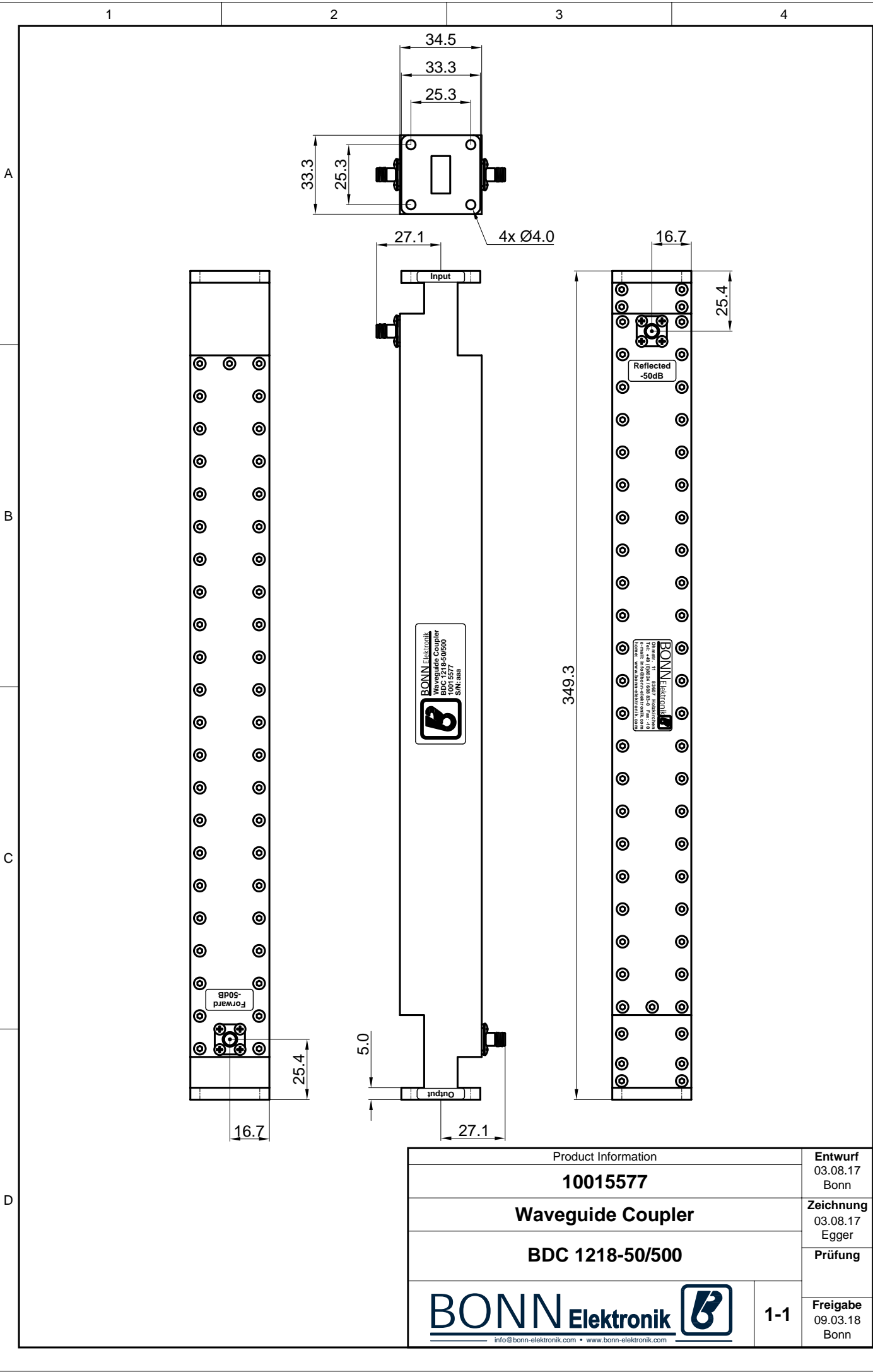
2) alternative main line connectors

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
10015577		03.08.17 Bonn
Waveguide Coupler		Zeichnung
BDC 1218-50/500		03.08.17 Egger
BONN Elektronik		Prüfung
1-1		Freigabe
info@bonn-elektronik.com • www.bonn-elektronik.com		09.03.18 Bonn