

## 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 1), 2)	Coupling Line Connector 3)
BDC 4018-20/50S	4 ... 18 GHz	20 ±1.5	50	0.6	12	1.4:1	SMA-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.

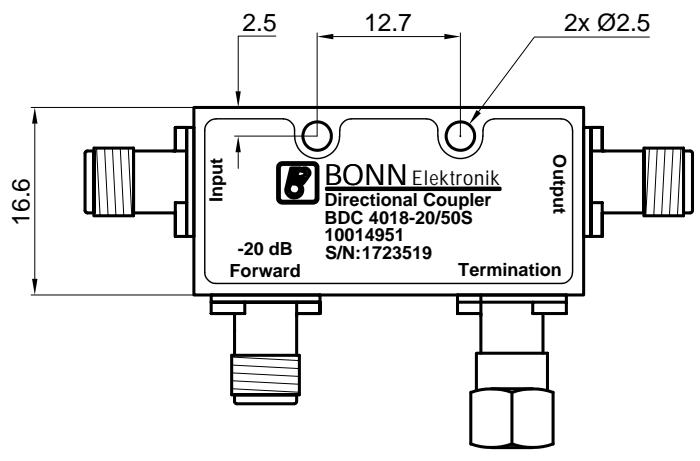
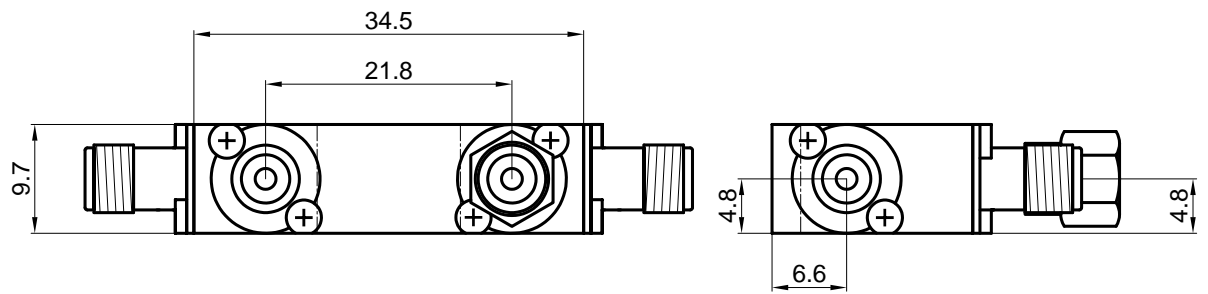
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A  
B  
C  
D



Product Information		<b>Entwurf</b> 14.07.17 Bonn
<b>10014951</b>		<b>Zeichnung</b> 14.07.17 Egger
<b>Directional Coupler</b>		<b>Prüfung</b>
<b>BDC 4018-20/50S</b>		<b>Freigabe</b> 08.01.18 Bonn
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