

### 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 1040-30/50S	1 ... 4 GHz	30 ±1.7	50	0.5	20	1.25:1	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.

A

B

C

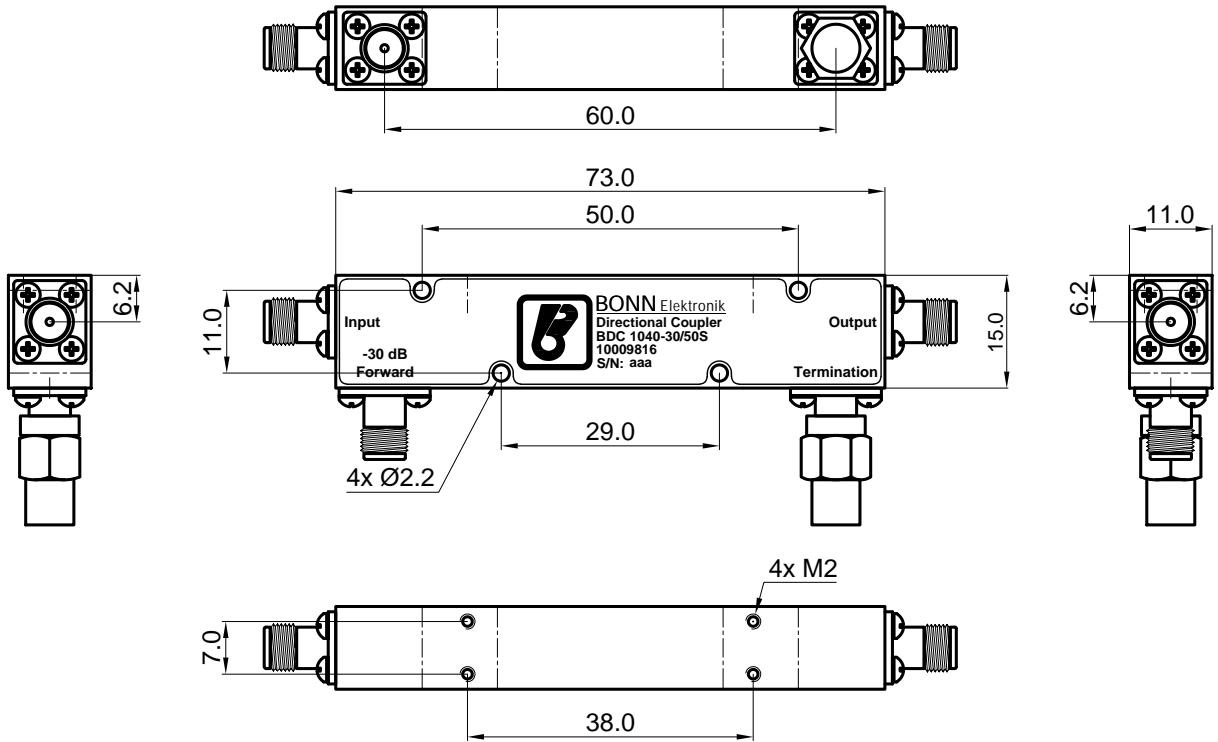
D


1

2

3

4



Product Information		<b>Entwurf</b> 30.06.17 Bonn
<b>10009816</b>		<b>Zeichnung</b> 30.06.17 Egger
<b>Directional Coupler</b>		<b>Prüfung</b>
<b>BDC 1040-30/50S</b>		<b>Freigabe</b> 08.01.18 Bonn
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