BDC 18 ... 40 GHz
Directional Coupler

BONN Elektronik
YOUR ULTIMATE RF POWER SOURCE

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 1840-30/50S	18 ... 40 GHz	30 ±3	50	0.2	30	1.25:1	WRD-180	2,92 mm-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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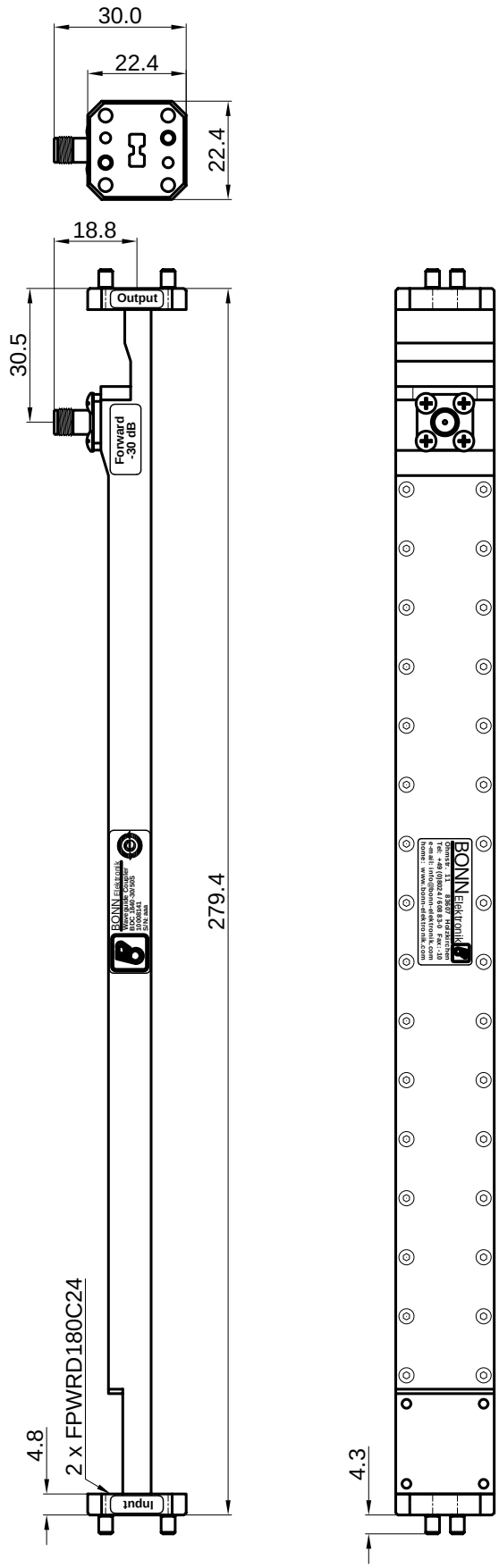

Product Information		
10008141		**Entwurf** 14.01.19 Bonn
Waveguide Coupler		**Zeichnung** 14.01.19 Bhu
BDC 1840-30/50S		**Prüfung**
BONN Elektronik info@bonn-elektronik.com • www.bonn-elektronik.com	**1-1**	**Freigabe** 16.01.19 Bonn

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