

# BDC 1 ... 8 GHz Directional Coupler

## STANDARD MODELS

Model	Frequency Range X)	Coupling X) dB	Power	Insertion Loss	Directivity	VSWR	Main Line	Coupling Line
			P <sub>min</sub> W	max dB	min dB	max Main Line	Connector	Connector
BDC 1080-40/500 S: Single directional coupler	1 ... 8 GHz	40 ± 1	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.