

# BDC 0.7 ... 4.2 GHz

## Directional Coupler

### 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	Coupling Line Connector
BDC 0742-50/500 S: Single directional coupler	0.7 ... 4.2 GHz	50 ±2	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.