

# BDC 0.7 ... 4.2 GHz Directional Coupler

## 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 0742-30/500	0.7 ... 4.2 GHz	30 ±2	500	0.2	20	1.3:1	N-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.