

# BDC 1 ... 4 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 1040-20/200	1 ... 4 GHz	20 ±1	200	0.2	20	1.3:1	N-f	SMA-f
BDC 1040-30/50S	1 ... 4 GHz	30 ±1.7	50	0.5	20	1.25:1	SMA-f	SMA-f
BDC 1040-30/500	1 ... 4 GHz	30 ±1	500	0.2	20	1.3:1	N-f	SMA-f
BDC 1040-40/500	1 ... 4 GHz	40 ±1	500	0.2	20	1.3:1	N-f	SMA-f
BDC 1040-50/500	1 ... 4 GHz	50 ±1	500	0.2	20	1.3:1	N-f	SMA-f
BDC 1040-40/1500	1 ... 4 GHz	40 ±1	1500	0.2	20	1.3:1	7-16-f	SMA-f
BDC 1040-50/1500	1 ... 4 GHz	50 ±1	1500	0.2	20	1.3:1	7-16-f	SMA-f

For individual data sheets, please click on the above model name

S: Single directional coupler

### 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.