

BDC 0.7 ... 4.2 GHz Directional Coupler

STANDARD MODELS

Model	Frequency Range X)	Coupling X) dB	Power P _{min} W	Insertion Loss max dB	Directivity min dB	VSWR max Main Line	Main Line Connector 1), 2)	Coupling Line Connector 3)
BDC 0742-20/200	0.7 ... 4.2 GHz	20 ±2	200	0.3	20	1.4:1	N-f	SMA-f
BDC 0742-30/500	0.7 ... 4.2 GHz	30 ±2	500	0.2	20	1.3:1	N-f	SMA-f
BDC 0742-40/500	0.7 ... 4.2 GHz	40 ±2	500	0.2	20	1.3:1	N-f	SMA-f
BDC 0742-50/500	0.7 ... 4.2 GHz	50 ±2	500	0.2	20	1.3:1	N-f	SMA-f
BDC 0742-40/1500	0.7 ... 4.2 GHz	40 ±2	1500	0.2	20	1.3:1	7-16-f	SMA-f
BDC 0742-50/1500	0.7 ... 4.2 GHz	50 ±2	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.