

BDC 2 ... 18 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 2018-20/25S	2 ... 18 GHz	20 ±1.5	25	0.8	12	1.4:1	SMA-f	SMA-f
BDC 2018-30/20S	2 ... 18 GHz	30 ±1.1	20	0.7	15	1.4:1	SMA-f	SMA-f
BDC 2018-30/400	2 ... 18 GHz	30 ±2.4	400	0.5	10	1.4:1	N-m	N-f
BDC 2018-40/400	2 ... 18 GHz	40 ±2.4	400	0.5	10	1.4:1	N-m	N-f
BDC 2018-50/400	2 ... 18 GHz	50 ±2.4	400	0.5	10	1.4:1	N-m	N-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.