

BDC 4 ... 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 4018-20/50S	4 ... 18 GHz	20 ±1.5	50	0.6	12	1.4:1	SMA-f	SMA-f
BDC 4018-30/30S	4 ... 18 GHz	30 ±2.5	30	1	10	1.6:1	SMA-f	SMA-f
BDC 4018-35/200	4 ... 18 GHz	35 ±2.5	200	0.5	12	1.45:1	N-f	SMA-f
BDC 4018-30/300	4 ... 18 GHz	30 ±1	300	0.3	10	1.5:1	N-f	SMA-f
BDC 4018-40/300	4 ... 18 GHz	40 ±1	300	0.3	10	1.5:1	N-f	SMA-f
BDC 4018-50/300	4 ... 18 GHz	50 ±1	300	0.3	10	1.5:1	N-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.