

# BDC 4 ... 18 GHz Directional Coupler

## STANDARD MODELS

Model	Frequency Range X)	Coupling X) dB	Power Pmin W	Insertion Loss max dB	Directivity min dB	VSWR max Main Line	Main Line Connector	Coupling Line Connector
BDC 4018-20/50S	4 ... 18 GHz	20 ±1.5	0 / 0 ±0	0 / 0	0	2 HU, 430 mm	0	SMA-f
BDC 4018-30/30S	4 ... 18 GHz	30 ±2.5	0 / 0 ±0	0 / 0	0	2 HU, 430 mm	0	SMA-f
BDC 4018-35/200	4 ... 18 GHz	35 ±2.5	0 / 0 ±0	0 / 0	0	2 HU, 430 mm	0	SMA-f
BDC 4018-30/300	4 ... 18 GHz	30 ±1	0 / 0 ±0	0 / 0	0	2 HU, 430 mm	0	SMA-f
BDC 4018-40/300	4 ... 18 GHz	40 ±1	0 / 0 ±0	0 / 0	0	2 HU, 430 mm	0	SMA-f
BDC 4018-50/300	4 ... 18 GHz	50 ±1	0 / 0 ±0	0 / 0	0	2 HU, 430 mm	0	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.