

# BDC 18 ... 40 GHz Directional Coupler

## STANDARD MODELS

Model	Frequency Range X)	Coupling X) dB	Power Pmin W	Insertion Loss max dB	Directivity min dB	VSWR	Main Line Connector	Coupling Line Connector
						max Main Line		
BDC 1840-30/50S	18 ... 40 GHz	30 ±3	0 / 0 ±0	0 / 0	0	2 HU, 430 mm	0	2,22 mm-f
BDC 1840-30/100	18 ... 40 GHz	30 ±3	0 / 0 ±0	0 / 0	0	2 HU, 430 mm	0	2,22 mm-f
BDC 1840-40/50S	18 ... 40 GHz	40 ±3	0 / 0 ±0	0 / 0	0	2 HU, 430 mm	0	2,22 mm-f
BDC 1840-40/100	18 ... 40 GHz	40 ±2.5	0 / 0 ±0	0 / 0	0	2 HU, 430 mm	0	2,22 mm-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.