

BDC 9 kHz ... 400 MHz 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 0140-30/250	9 kHz ... 400 MHz	30 ±1.5	250	0.75	20	1.2:1	N-f	SMA-f
BDC 0140-40/200	9 kHz ... 400 MHz	40 ±1.5	200	0.5	20	1.25:1	N-f	SMA-f
BDC 0140-40/500	9 kHz ... 400 MHz	40 ±1.5	500	0.5	20	1.3:1	N-f	SMA-f
BDC 0140-50/500	9 kHz ... 400 MHz	50 ±1.5	500	0.5	20	1.3:1	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.