

BDC 9 kHz ... 1000 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 0100-30/50	9 kHz ... 1000 MHz	30 ±1.5	50	1.2	20	1.3:1	N-f	SMA-f
BDC 0100-40/100	9 kHz ... 1000 MHz	40 ±1.5	100	0.6	20	1.3:1	N-f	SMA-f
BDC 0100-40/200	9 kHz ... 1000 MHz	40 ±1.5	200	0.6	20	1.3:1	N-f	SMA-f
BDC 0100-40/500	9 kHz ... 1000 MHz	40 ±1.5	500	0.45	20	1.3:1	N-f	SMA-f
BDC 0100-43/700	9 kHz ... 1000 MHz	43 ±1.5	700	0.45	20	1.3:1	7-16-f	SMA-f
BDC 0100-43/1000	9 kHz ... 1000 MHz	43 ±1.5	1000	0.45	20	1.3:1	7-16-f	SMA-f
BDC 0100-50/500	9 kHz ... 1000 MHz	50 ±1.5	500	0.45	20	1.3:1	N-f	SMA-f
BDC 0100-50/1000	9 kHz ... 1000 MHz	50 ±1.5	1000	0.45	25	1.3:1	SC-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.