

BDC 9 kHz ... 250 MHz

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 0125-30/100	9 kHz ... 250 MHz	30 ±1.8	0 / 0 ±0	0 / 0	0	2	HU, 4.30 mm	0	SMA-f
BDC 0125-30/250	9 kHz ... 250 MHz	30 ±1.5	0 / 0 ±0	0 / 0	0	2	HU, 4.30 mm	0	SMA-f
BDC 0125-40/100	9 kHz ... 250 MHz	40 ±1.5	0 / 0 ±0	0 / 0	0	2	HU, 4.30 mm	0	SMA-f
BDC 0125-40/250	9 kHz ... 250 MHz	40 ±1.5	0 / 0 ±0	0 / 0	0	2	HU, 4.30 mm	0	SMA-f
BDC 0125-40/500	9 kHz ... 250 MHz	40 ±1.75	0 / 0 ±0	0 / 0	1000	2	HU, 4.30 mm	0	SMA-f
BDC 0125-50/1000	9 kHz ... 250 MHz	50 ±2.0	0 / 0 ±0	0 / 0	1000	2	HU, 4.30 mm	0	SMA-f
BDC 0125-50/2000	9 kHz ... 250 MHz	50 ±1.5	0 / 0 ±0	0 / 0	2000	2	HU, 4.30 mm	0	SMA-f
BDC 0125-50/5000	9 kHz ... 250 MHz	50 ±1.5	0 / 0 ±0	0 / 0	5000	2	HU, 4.30 mm	0	SMA-f
BDC 0125-60/5000	9 kHz ... 250 MHz	60 ±2	0 / 0 ±0	0 / 0	5000	2	HU, 4.30 mm	0	SMA-f
BDC 0125-70/10000	9 kHz ... 250 MHz	70 ±2	0 / 0 ±0	0 / 0	5000	2	HU, 4.30 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.