

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 | 1000 | 2 HU, 4.30 mm | 0 | SMA-f |
| BDC 0125-50/3000 | 9 kHz ... 250 MHz | 50 ± 1.5 | 0 / 0 ± 0 | 0 / 0 | 3000 | 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.