

BDC 9 kHz ... 1000 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 1), 2) | Coupling Line Connector 3) |
|-----------------|-----------------------|----------------------|--------------------|-----------------------------|--------------------------|--------------------------|----------------------------------|----------------------------------|
| BDC 0100-40/200 | 9 kHz ... 1000 MHz | 40 ±1.5 | 200 | 0.6 | 20 | 1.3:1 | N-f | SMA-f |

S: Single directional coupler

OPTIONS

1) male RF input connector

2) alternative main line connectors

X) custom frequency range and custom coupling attenuation upon request

*) WRD 650: below 6.2 GHz, VSWR and directivity deteriorate

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.