

BDC 4 ... 18 GHz 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 | Coupling Line Connector |
|--------------------------------------------------|-----------------------|----------------------|--------------------------------|-----------------------------|--------------------------|--------------------------|------------------------|----------------------------|
| | | | | | | | | |
| BDC 4018-30/300 S: Single directional coupler | 4 ... 18 GHz | 30 ± 1 | 0 / 0 ± 0 | 0 / 0 | 0 | 2 HU, 430 mm | 0 | SMA-f |

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.