

# BDC 1 ... 6 GHz Directional Coupler

## STANDARD MODELS

| Model            | Frequency Range<br>X) | Coupling<br>X)<br>dB | Power<br>Pmin<br>W | Insertion Loss<br>max<br>dB | Directivity<br>min<br>dB | VSWR<br>max<br>Main Line | Main Line<br>Connector | Coupling Line<br>Connector |
|------------------|-----------------------|----------------------|--------------------|-----------------------------|--------------------------|--------------------------|------------------------|----------------------------|
|                  |                       |                      |                    |                             |                          |                          |                        |                            |
| BDC 1060-20/200  | 1 ... 6 GHz           | 20 ±1                | 0 / 0 ±0           | 0 / 0                       | 0                        | 2 HU, 430 mm             | 0                      | SMA-f                      |
| BDC 1060-30/500  | 1 ... 6 GHz           | 30 ±1                | 0 / 0 ±0           | 0 / 0                       | 0                        | 2 HU, 430 mm             | 0                      | SMA-f                      |
| BDC 1060-40/500  | 1 ... 6 GHz           | 40 ±1                | 0 / 0 ±0           | 0 / 0                       | 0                        | 2 HU, 430 mm             | 0                      | SMA-f                      |
| BDC 1060-40/1500 | 1 ... 6 GHz           | 40 ±1                | 0 / 0 ±0           | 0 / 0                       | 0                        | 2 HU, 430 mm             | 0                      | SMA-f                      |
| BDC 1060-50/500  | 1 ... 6 GHz           | 50 ±1                | 0 / 0 ±0           | 0 / 0                       | 0                        | 2 HU, 430 mm             | 0                      | SMA-f                      |
| BDC 1060-50/1500 | 1 ... 6 GHz           | 50 ±1                | 0 / 0 ±0           | 0 / 0                       | 0                        | 2 HU, 430 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.