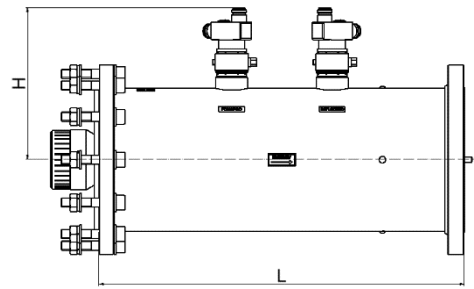


DIRECTIONAL COUPLER 6 1/8" EIA || BN 51 67 64

- suitable in a wide frequency range
- variable coupling factor
- low VSWR, high directivity
- extremely compact
- for indoor application



BN 51 67 64

Part number	2-way 2-way 4-way 6-way	BN 51 67 64 BN 51 67 64C3000 BN 51 67 64C0004 BN 51 67 64C0006
Frequency range		10 MHz to 800 MHz
Proof voltage (at sea level)		≤ 25.0 kV
Average power	10 MHz 50 MHz 100 MHz 230 MHz 500 MHz 800 MHz	≤ 690 kW ≤ 312 kW ≤ 224 kW ≤ 148 kW ≤ 98 kW ≤ 78 kW
Coupling range	10 MHz 50 MHz 108 MHz 230 MHz 800 MHz	69 – 101 dB 56 – 87 dB 49.5 – 81 dB 43 – 74 dB 31 – 63 dB See diag.1
VSWR main line		≤ 1.04 (10 MHz to 800 MHz)
Variation of coupling attenuation		$20 \log \frac{f_{Ref}}{f_{Searched}}$
Coupling tolerance, max.		± 0.1 dB
Directivity		≥ 35 dB (10 MHz to 800 MHz)
Insertion loss		≤ 0.05 dB
Connectors main line		6 1/8 EIA
Connectors coupled line		N female
Termination load		Not included (BN 51 67 64) 1 W included (BN 51 67 64C3000) ¹⁾ Not included (BN 51 67 64C0004) 5 W included (BN 51 67 64C0006) ¹⁾
Dimensions (L x H) mm		400 x 213
Weight		12,8 kg
Environmental conditions		See TD-00060

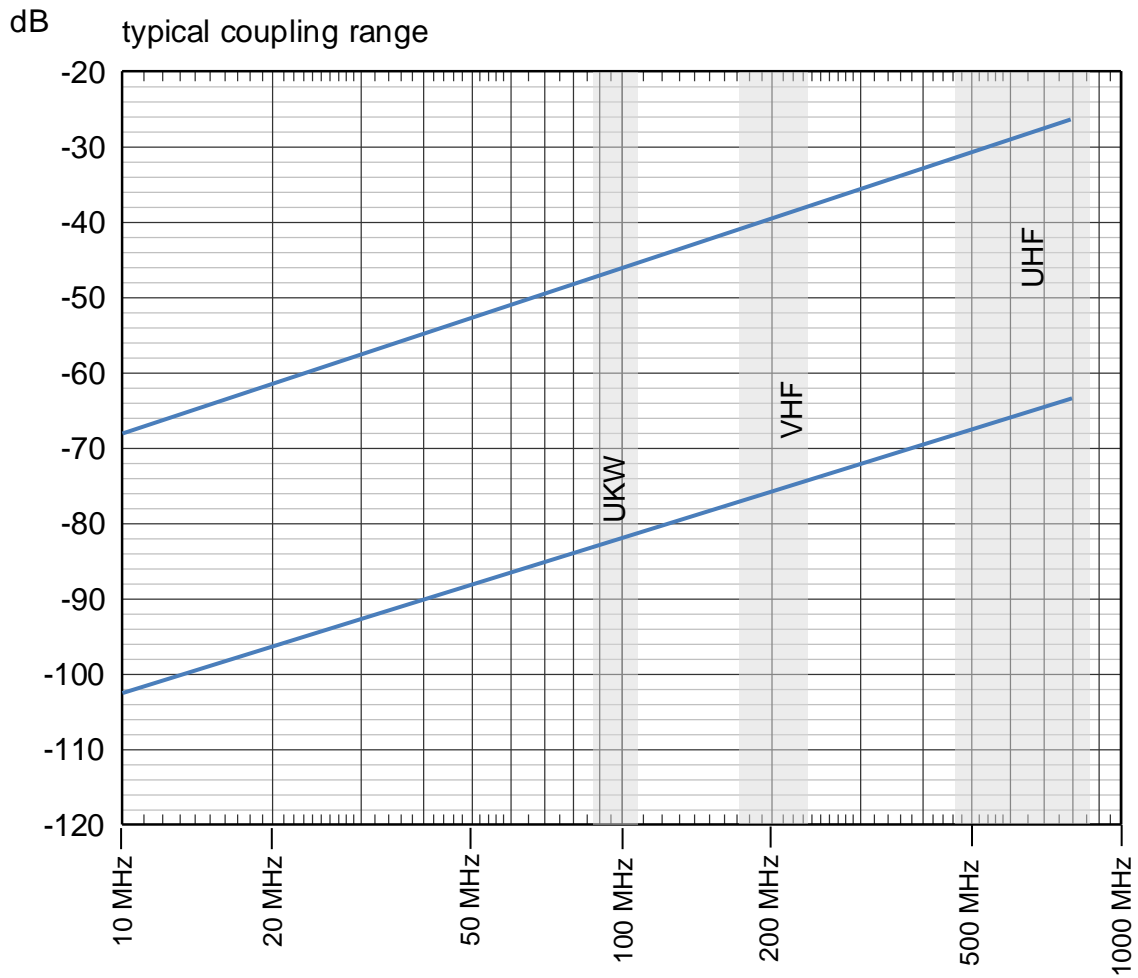
¹⁾ Please take care that with the chosen coupling attenuation not more than 1W (5W) appears at a port of the coupled line.

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DIRECTIONAL COUPLER 6 1/8" EIA || BN 51 67 64

diagram 1



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