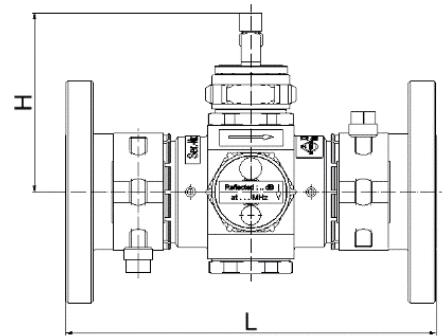


DIRECTIONAL COUPLER 1 5/8" || BN 80 08 71

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



BN 80 08 71C0002

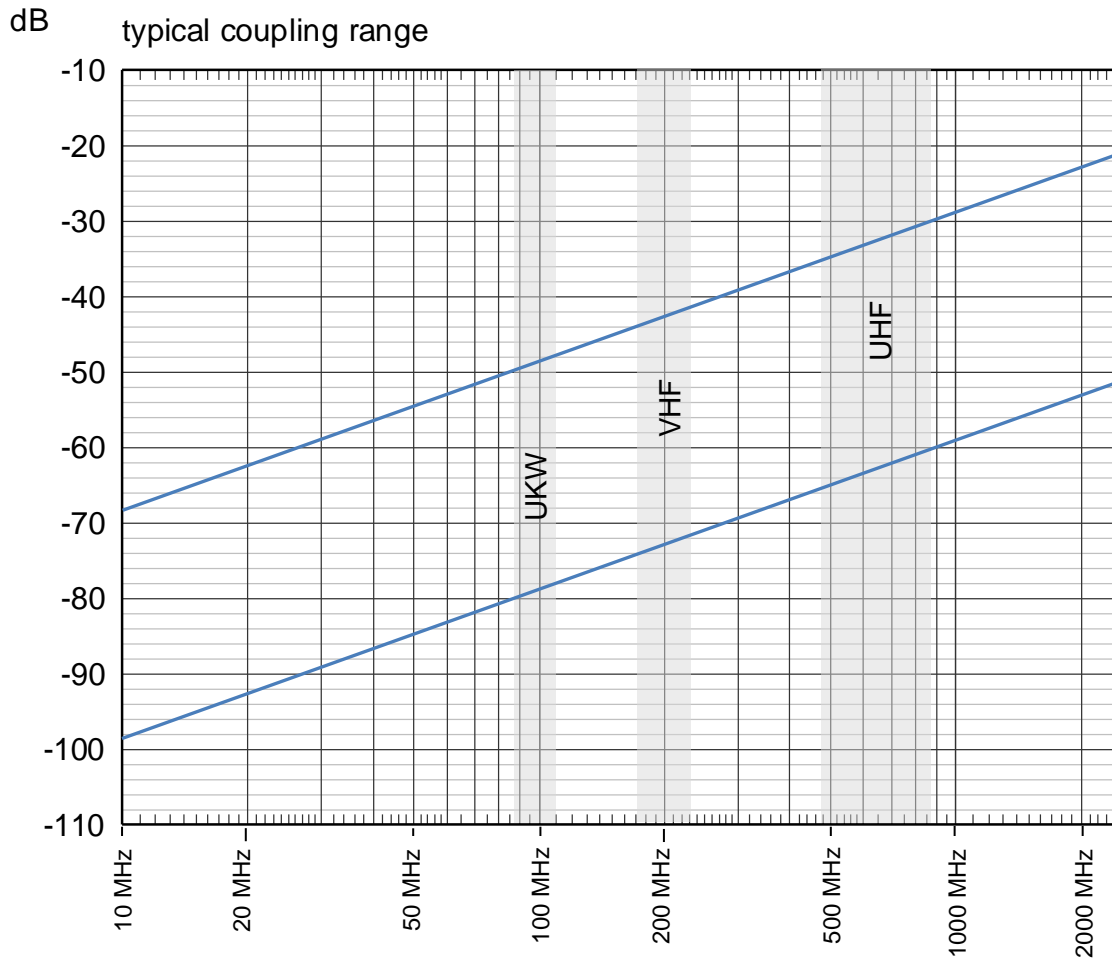
Part number	2-way 3-way	BN 80 08 71C0002 BN 80 08 71C0003
Frequency range		10 MHz to 2500 MHz
Proof voltage (at sea level)		≤ 7.0 kV
Average power	10 MHz 50 MHz 100 MHz 230 MHz 860 MHz	≤ 63 kW ≤ 28 kW ≤ 20 kW ≤ 13.5 kW ≤ 7.0 kW
Coupling range	10 MHz 50 MHz 108 MHz 230 MHz 860 MHz	68 – 98 dB 54 – 84 dB 51 – 78 dB 44 – 72 dB 35 – 60 dB See diag.1
VSWR main line		≤ 1.04 (10 MHz to 860 MHz) ≤ 1.14 (860 MHz to 2500 MHz)
Variation of coupling attenuation		$20 \log \frac{f_{Ref}}{f_{Searched}}$
Coupling tolerance, max.		± 0.1 dB
Directivity		≥ 35 dB (10 MHz to 860 MHz) ≥ 15 dB (860 MHz to 2500 MHz)
Insertion loss		≤ 0.05 dB
Connectors main line		1 5/8 EIA
Connectors coupled line		SMA female
Termination load 1W included		Please take care that with the chosen coupling attenuation not more than 1 W appears at a port of the coupled line.
Dimensions (L x H) mm		150 x 92
Weight		1.1 kg
Environmental conditions		See TD-00060

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DIRECTIONAL COUPLER 1 5/8" || BN 80 08 71

diagram 1



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