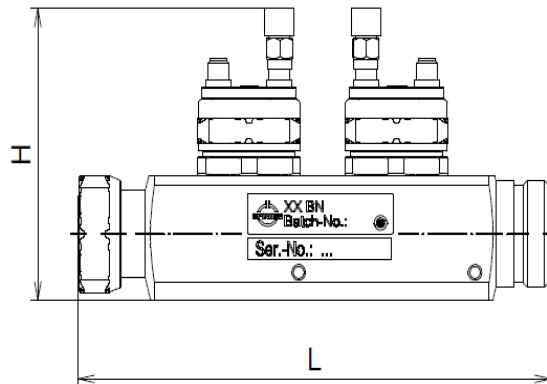


DIRECTIONAL COUPLER 7-16 || BN 80 04 68

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



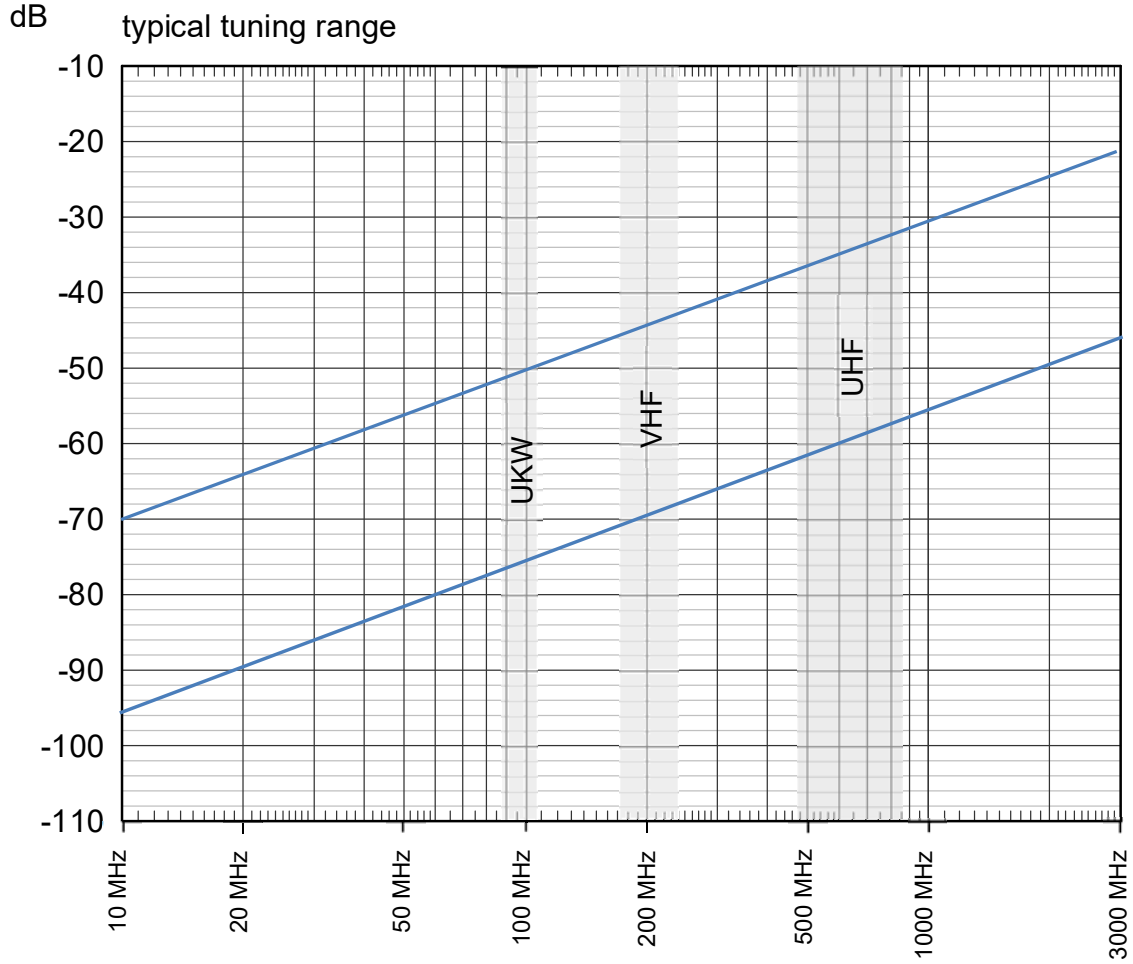
Part number	2-way 3-way	BN 80 04 68 BN 80 04 68 C0003
Frequency range		10 MHz to 3000 MHz
Proof voltage, max. (at sea level)		3.0 kV
Average power, max.	10 MHz	13.6 kW
	50 MHz	7.5 kW
	100 MHz	5.3 kW
	230 MHz	3.8 kW
	860 MHz	2.0 kW
Coupling range See diag.1	10 MHz	70.. 94 dB
	50 MHz	58.. 81 dB
	87.. 108 MHz	51.. 75 dB
	170.. 230 MHz	45.. 69 dB
	470.. 860 MHz	36.. 57 dB
VSWR main line, max.		1.04 (10 MHz to 860 MHz)
		1.14 (860 MHz to 3000 MHz)
Variation of coupling attenuation		$20 \log \frac{f_{Ref}}{f_{Searched}}$
Coupling tolerance, max.		± 0.1 dB
Directivity, min.		35 dB (10 MHz to 860 MHz) 25 dB (860 MHz to 3000 MHz)
Insertion loss, max.		0.05 dB
Connectors main line		7-16 male / female
Connectors probes		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		148 x 98.5 (2-way)
		193 x 98.5 (3-way)
Weight		0.60 kg
		0.70 kg
Environmental conditions		See TD-00060

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 Template TD-00002

DIRECTIONAL COUPLER 7-16 || BN 80 04 68

Diagram 1



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