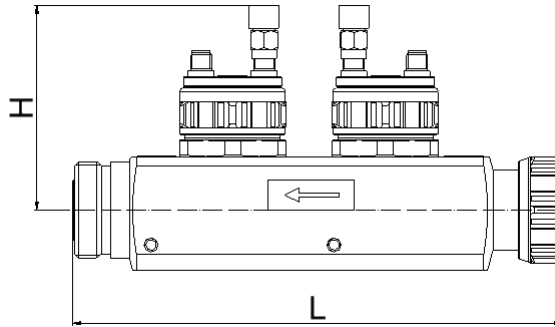


DIRECTIONAL COUPLER 7-16 || BN 80 04 71

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



BN 80 04 71

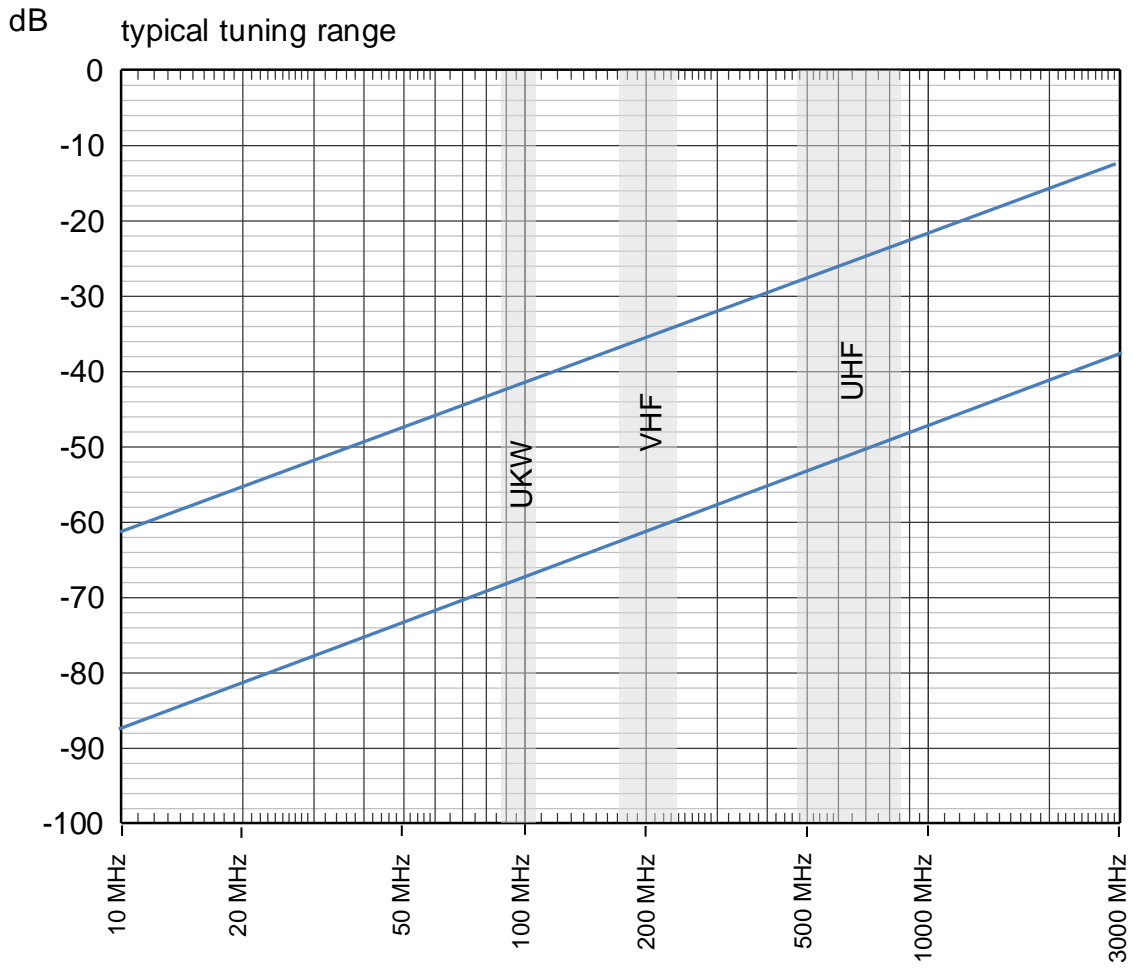
Part number	2-way SMA	BN 80 04 71
Frequency range		10 MHz to 3000 MHz
Proof voltage (at sea level)		≤ 3.0 kV
Average power	10 MHz 50 MHz 100 MHz 230 MHz 860 MHz	≤ 13.6 kW ≤ 7.5 kW ≤ 5.3 kW ≤ 3.8 kW ≤ 2.0 kW
Coupling range	10 MHz 50 MHz 108 MHz 230 MHz 860 MHz	62 – 84 dB 50 – 72 dB 43 – 67 dB 37 – 61 dB 29 – 49 dB See diag.1
VSWR main line		≤ 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		≥ 35 dB (10 MHz to 860 MHz) ≥ 25 dB (860 MHz to 3000 MHz)
Insertion loss		≤ 0.05 dB
Connectors main line		7-16 male / female
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		148 x 98.5
Weight		0.60 kg
Environmental conditions		See TD-00060

SPINNER GmbH | This document is proprietary to us. All rights reserved. Any use, transfer, or reproduction of this document or the know-how contained therein requires our express consent.

Template TD-00002

DIRECTIONAL COUPLER 7-16 || BN 80 04 71

diagram 1



SPINNER GmbH
This document is proprietary to us.
All rights reserved. Any use, transfer, or reproduction of this document
or the know-how contained therein requires our express consent.

Template TD-00002