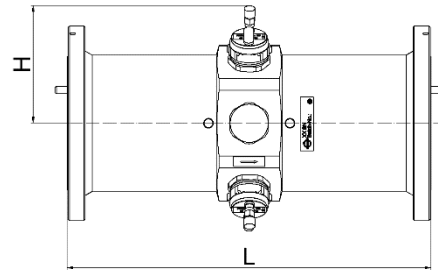


DIRECTIONAL COUPLER 4 1/2" || BN 80 03 71

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



BN 80 03 71C0002

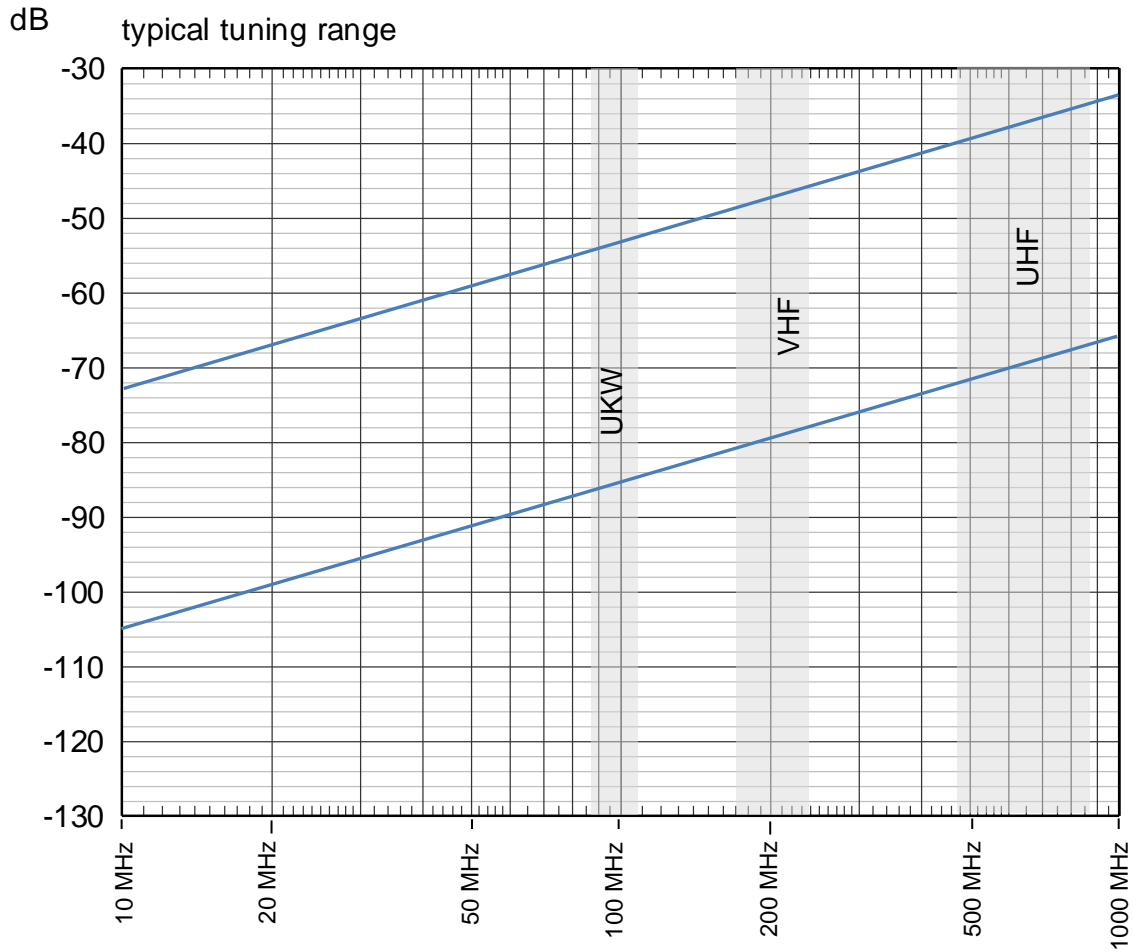
Part number	2-way 3-way 4-way 5-way	BN 80 03 71C0002 BN 80 03 71C0003 BN 80 03 71C0004 BN 80 03 71C0005
Frequency range	10 MHz to 1000 MHz	
Proof voltage (at sea level)	≤ 19.0 kV	
Average power	10 MHz 50 MHz 100 MHz 230 MHz 860 MHz	≤ 350 kW ≤ 155 kW ≤ 112 kW ≤ 74 kW ≤ 38 kW
Coupling range	10 MHz 50 MHz 108 MHz 230 MHz 860 MHz	74 – 106 dB 60 – 92 dB 55 – 86 dB 50 – 80 dB 40 – 68 dB See diag.1
VSWR main line	≤ 1.04 (10 MHz to 860 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)	
Insertion loss	≤ 0.05 dB	
Connectors main line	4 1/2" EIA (339 IEC 50-105)	
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	300 x 122.5	
Weight	5,3 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 4 1/2" || BN 80 03 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