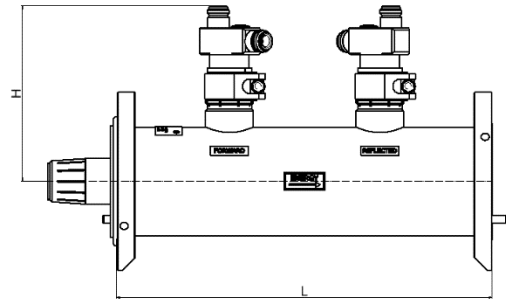


2 WAY DIRECTIONAL COUPLER 3 1/8" EIA || BN 80 02 64

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



BN 80 02 64

Part number	BN 80 02 64 BN 80 02 64 C3000	
Frequency range	10 MHz to 860 MHz	
Proof voltage (at sea level)	≤ 14.0 kV	
Average power	10 MHz 50 MHz 100 MHz 230 MHz 860 MHz	≤ 210 kW ≤ 94 kW ≤ 67 kW ≤ 44 kW ≤ 23 kW
Coupling range	10 MHz 50 MHz 108 MHz 230 MHz 860 MHz	62 – 95 dB 49 – 82 dB 42 – 74 dB 35 – 67 dB 29 – 57 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	3 1/8 EIA	
Connectors coupled line	N female	
Termination load	Not included (BN 800264) 1 W included (BN 800264C3000) ¹⁾	
Dimensions (L x H) mm	275 x 160	
Weight	4.3 kg	
Environmental conditions	See TD-00060	

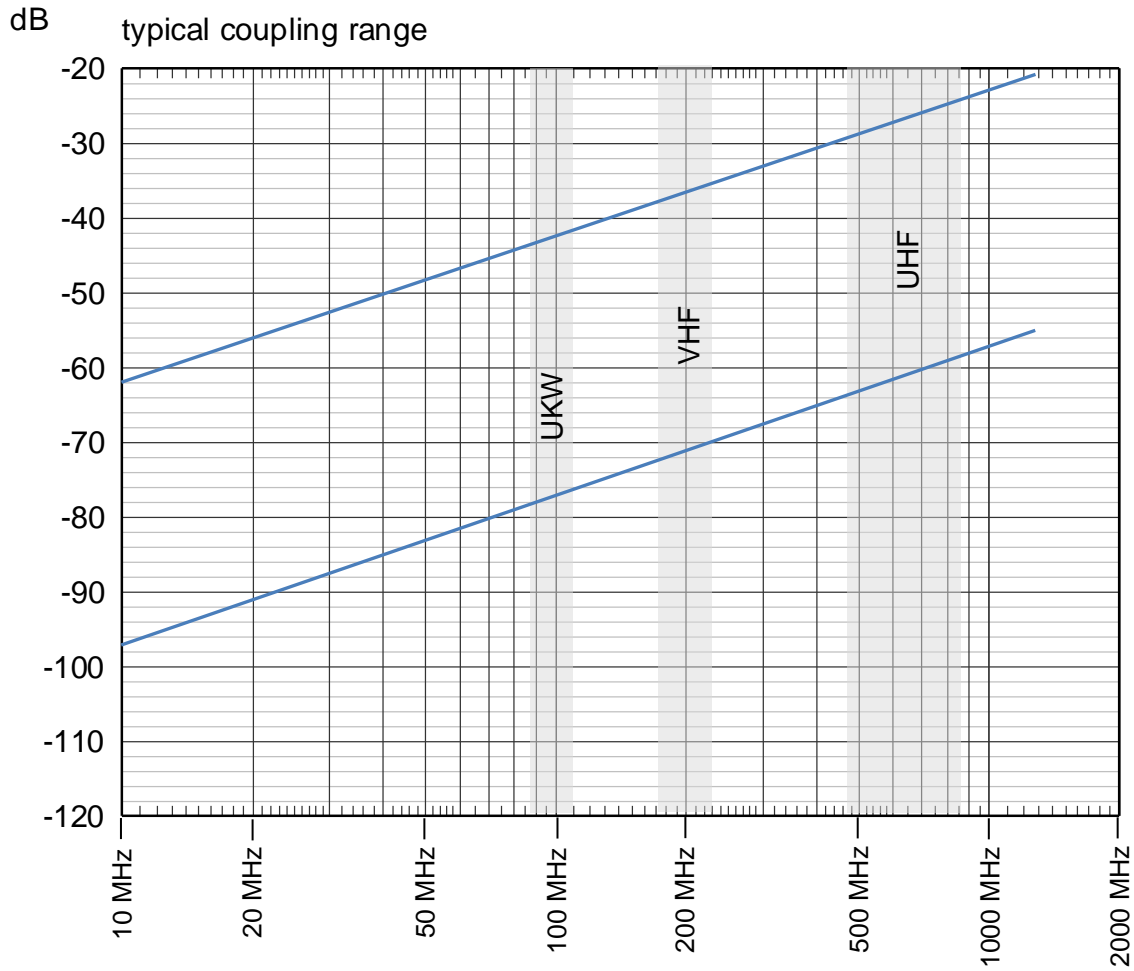
¹⁾ Please take care that with the chosen coupling attenuation not more than 1W appears at a port of the coupled line.

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

2 WAY DIRECTIONAL COUPLER 3 1/8" EIA || BN 80 02 64

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