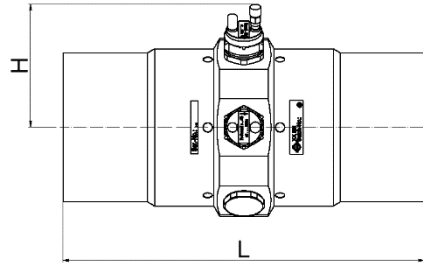


2-WAY DIRECTIONAL COUPLER 52 - 120 || BN B2 84 97

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



BN B2 84 97

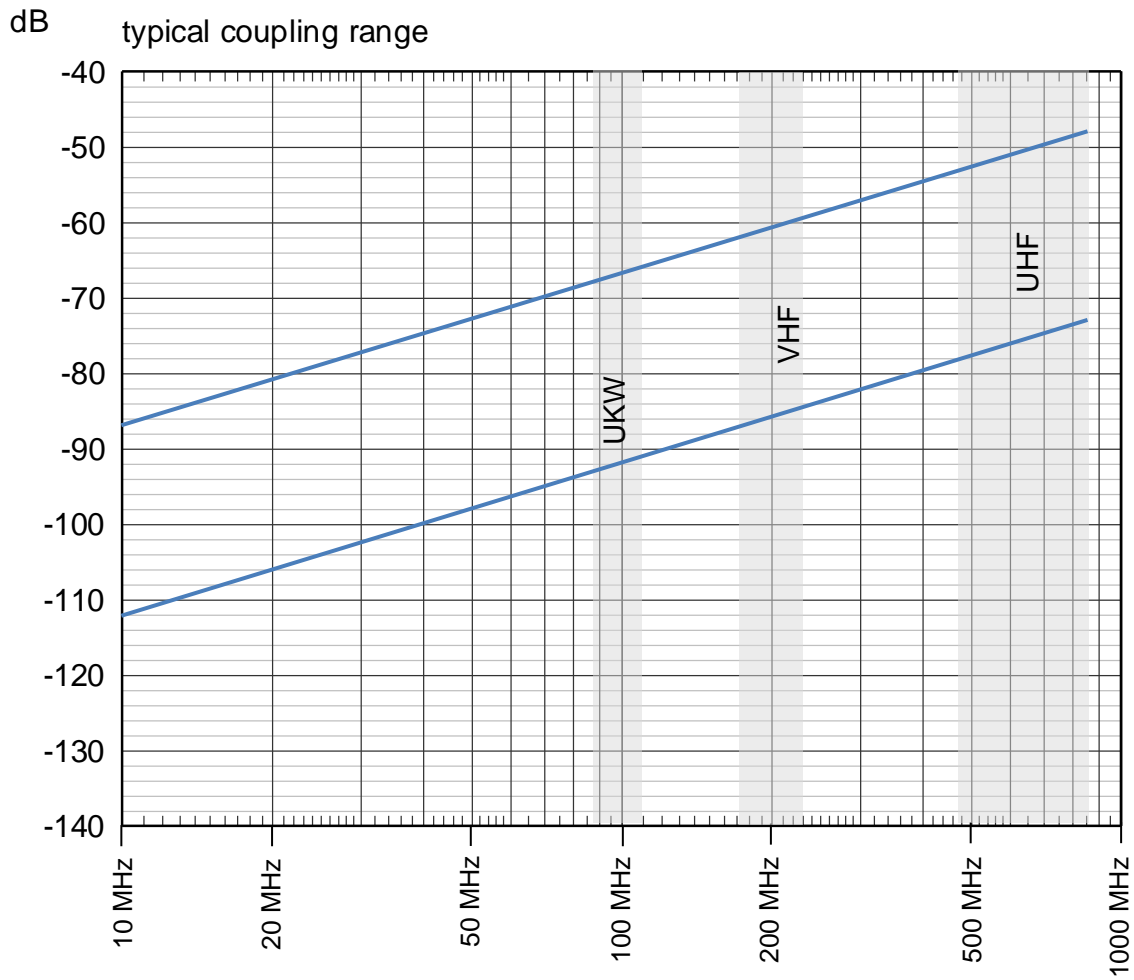
Part number	BN B2 84 97	BN B2 84 97C2002
Frequency range	10 MHz to 860 MHz	470 MHz to 860 MHz
Proof voltage (at sea level)	≤ 22.0 kV	
Average power	10 MHz ≤ 550 kW 50 MHz ≤ 245 kW 100 MHz ≤ 170 kW 230 MHz ≤ 116 kW 860 MHz ≤ 60 kW	
Coupling range	10 MHz 87 – 111 dB 50 MHz 73 – 97 dB 108 MHz 67 – 91 dB 230 MHz 60 – 85 dB 860 MHz 54 – 73 dB See diag.1	61 – 87 dB See diag.2
VSWR main line	≤ 1.04 (10 MHz to 860 MHz)	
Variation of coupling attenuation	$20 \log \frac{f_{Ref}}{f_{Searched}}$	± 0.15 dB
Coupling tolerance, max.	± 0.1 dB	
Directivity	≥ 35 dB (10 MHz to 860 MHz)	
Insertion loss	≤ 0.05 dB	
Connectors main line	RL 120 SMS	
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 330	
Weight	7.0 kg	
Environmental conditions	See TD-00060	

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2-WAY DIRECTIONAL COUPLER 52 - 120 || BN B2 84 97

diagram 1

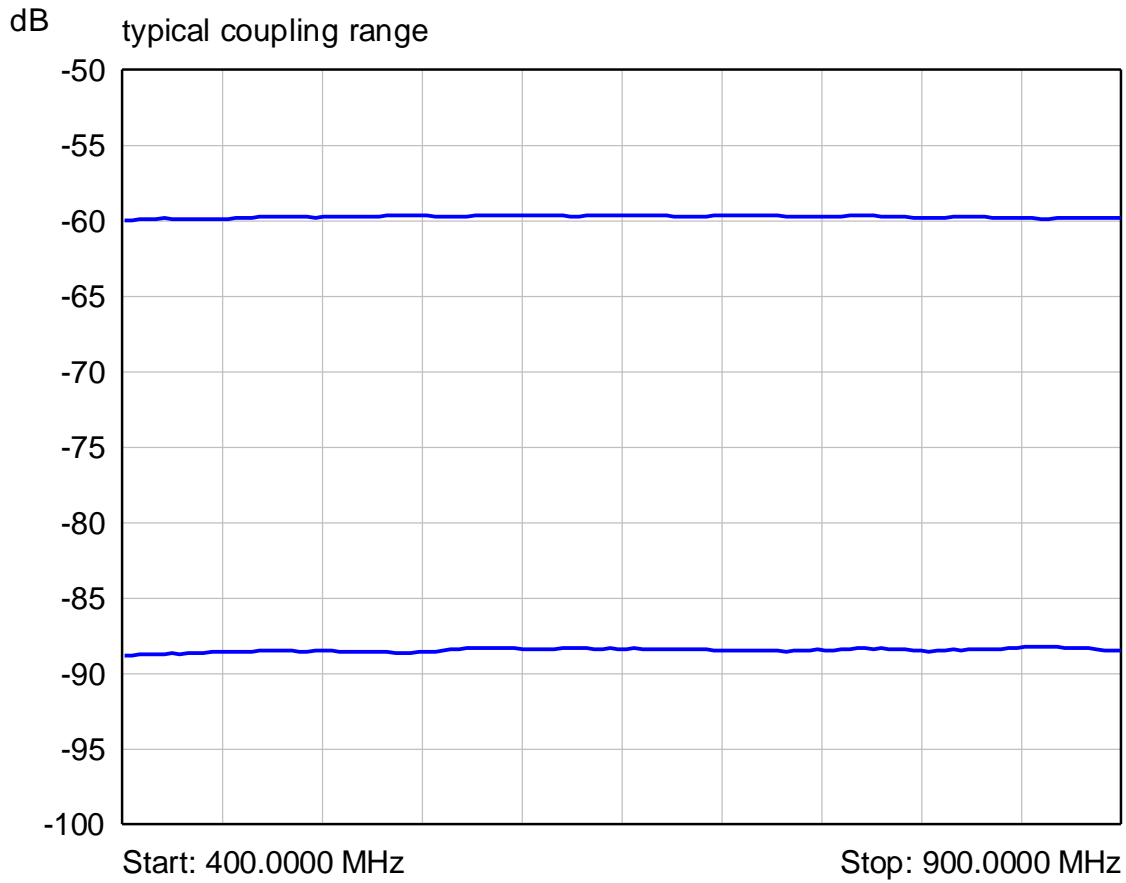


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diagram 2



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