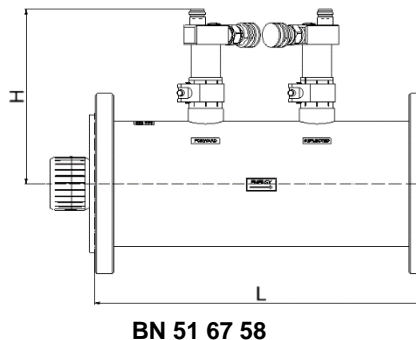


2-WAY DIRECTIONAL COUPLER 52 - 120 || BN 51 67 58

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



BN 51 67 58

Part number	BN 51 67 58 BN 51 67 58 C0001 BN 51 67 58 C3000	
Frequency range	10 MHz to 860 MHz	
Proof voltage (at sea level)	≤ 22.0 kV	
Average power	10 MHz 50 MHz 100 MHz 230 MHz 860 MHz	≤ 550 kW ≤ 245 kW ≤ 170 kW ≤ 116 kW ≤ 60 kW
Coupling range	10 MHz 50 MHz 108 MHz 230 MHz 860 MHz	68 – 102 dB 53 – 88 dB 48 – 82 dB 42 – 75 dB 34 – 64 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	RL 120 BT	
Connectors coupled line	N female	
Termination load	5W included (BN516758) ¹⁾ 5W included (BN516758C0001) ¹⁾ 1W included(BN516758C3000) ¹⁾	
Dimensions (L x H) mm	330 x 172 263 x 172(BN516758C0001)	
Weight	7.0 kg	
Environmental conditions	See TD-00060	

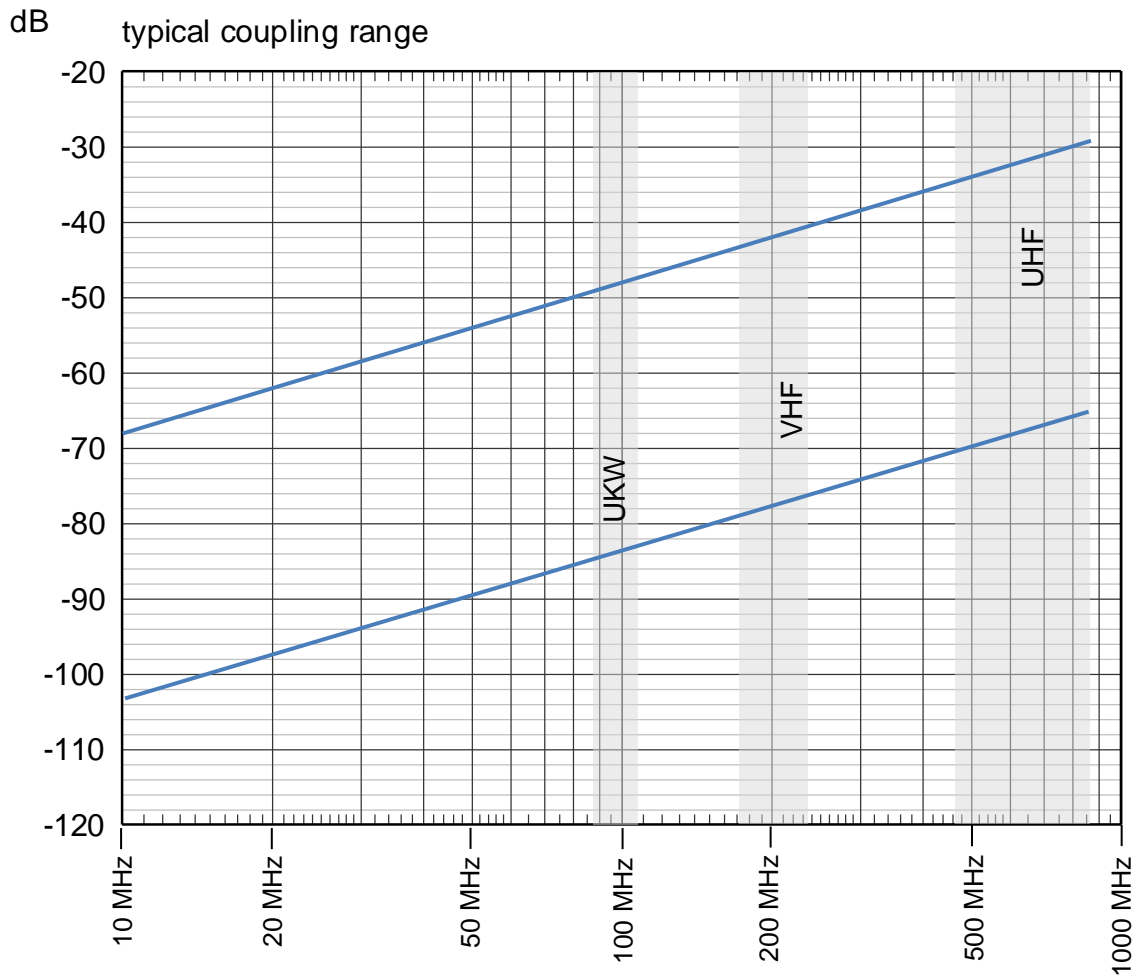
¹⁾ Please take care that with the chosen coupling attenuation not more than 1W (5W) appears at a port of the coupled line.

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2-WAY DIRECTIONAL COUPLER 52 - 120 || BN 51 67 58

diagram 1



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