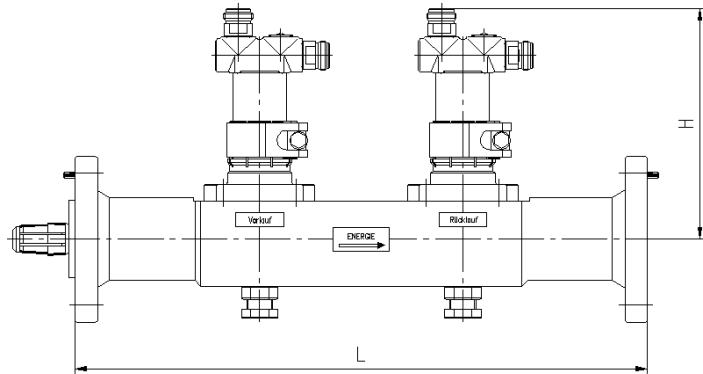


2-WAY DIRECTIONAL COUPLER 1 5/8" EIA || BN 80 08 29

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



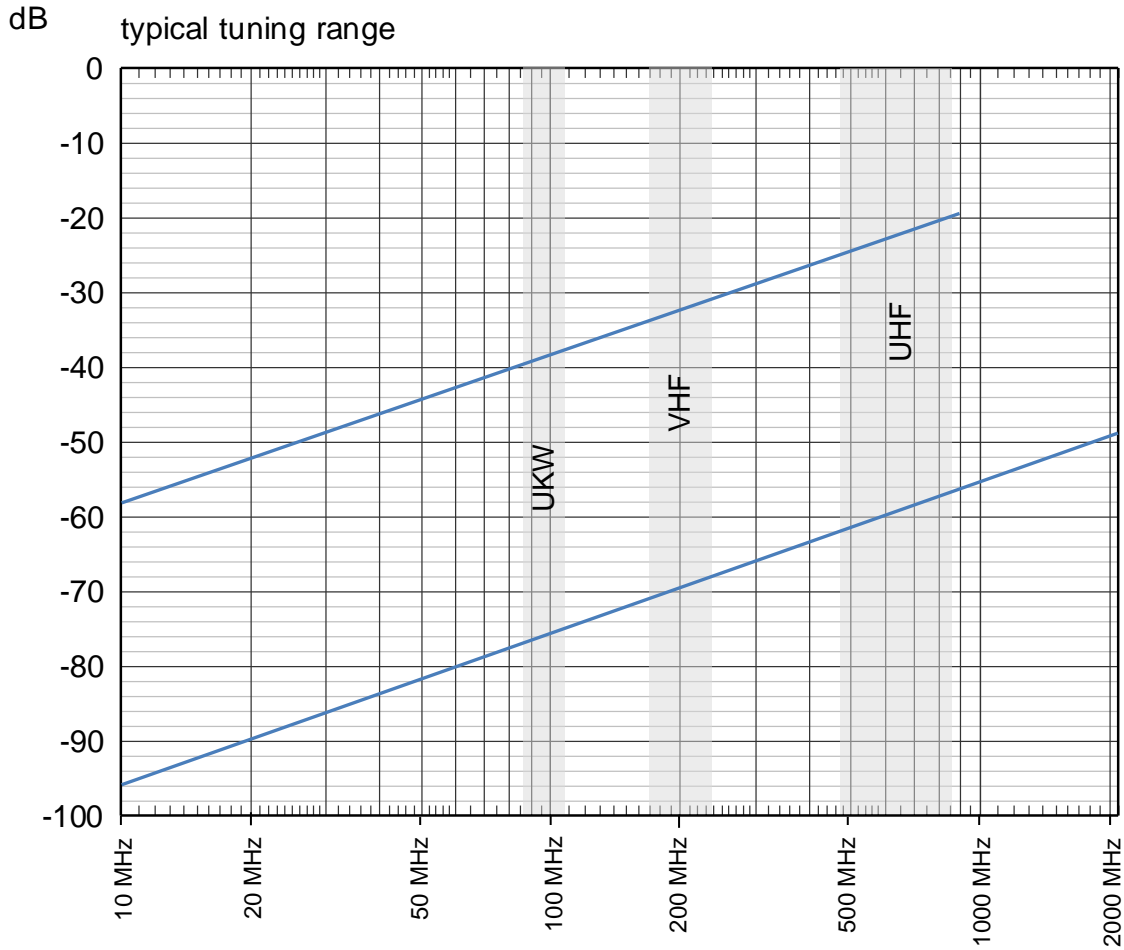
BN 80 08 29

<b>Part number</b>	<b>BN 80 08 29</b> <b>BN 80 08 29 C3000</b>	
Frequency range	10 MHz to 2100 MHz	
Proof voltage, max. (at sea level)	7.0 kV	
Average power, max.	10 MHz 50 MHz 100 MHz 230 MHz 862 MHz	63.0 kW 28.0 kW 20.0 kW 13.5 kW 7.0 kW
Coupling range	10 MHz 50 MHz 87.. 108 MHz 170.. 230 MHz 470.. 862 MHz 1700.. 2100 MHz	59 – 95 dB 45 – 82 dB 42 – 74 dB 35 – 67 dB 25 – 57 dB 29 – 50 dB See diag.1
VSWR main line, max.	1.04 ( 10 MHz to 862 MHz ) 1.06 ( 862 MHz to 2100 MHz )	
Variation of coupling attenuation	$20 \log \frac{f_{Ref}}{f_{Searched}}$	
Coupling tolerance, max.	± 0.1 dB	
Directivity, min.	35 dB ( 10 MHz to 862 MHz ) 25 dB ( 862 MHz to 2100 MHz )	
Insertion loss, max.	0.05 dB	
Connectors main line	1 5/8" EIA male / female	
Connectors probes	N female	
Termination load	Not included (BN800829) 1W included(BN800829C3000) <sup>1)</sup>	
Dimensions (L x H) mm	310 x 125	
Weight	3.55 kg	
Environmental conditions	See TD-00060	

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

2-WAY DIRECTIONAL COUPLER 1 5/8" EIA || BN 80 08 29

Diagram 1



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