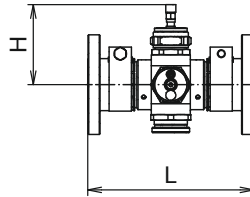
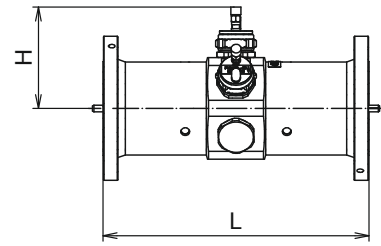


Directional Couplers, "PLUS" (1 ... 5 Probes)

- Enhanced coupling
- High directivity
- Coupling varies with frequency
- Coupling is adjusted at reference frequency
- Low VSWR
- Suitable for a wide frequency range
- For indoor application
- Termination load is included



BN 800871



BN 800271C0003

Part Number	1-way 2-way 3-way 4-way 5-way	— BN 800471 — — —	BN 800871C0001 BN 800871C0002 BN 800871C0003 — —	— BN 800271C0002 BN 800271C0003 BN 800271C0004 BN 800271C0005	— BN 800371C0002 BN 800371C0003 BN 800371C0004 BN 800371C0005
Frequency range					
Reduced performance					0 - 40 MHz
Full performance					40 - 860 MHz
Reduced performance		860 MHz - 3.0 GHz	860 MHz - 2.1 GHz	860 MHz - 1.3 GHz	860 MHz - 1.0 GHz
Proof voltage at sea level (NN)		≤ 3 kV	≤ 7 kV	≤ 14 kV	≤ 19 kV
Average power (at +40 °C ambient temperature)	100 MHz 230 MHz 860 MHz	≤ 5.3 kW ≤ 3.8 kW ≤ 2.0 kW	≤ 20.0 kW ≤ 13.5 kW ≤ 7.0 kW	≤ 67 kW ≤ 44 kW ≤ 23 kW	≤ 112 kW ≤ 74 kW ≤ 38 kW
Coupling range	88 - 108 MHz 170 - 230 MHz 470 - 860 MHz	43 - 67 dB 37 - 61 dB 29 - 49 dB	51 - 78 dB 44 - 72 dB 35 - 60 dB	51 - 78 dB 46 - 75 dB 37 - 63 dB	54 - 84 dB 49 - 87 dB 40 - 66 dB
Tolerance of coupling at reference frequency f_{ref}					≤ ±0.1 dB
Variation of coupling at other frequencies					-20 log ₍₁₀₎ (f/f _{ref})
VSWR main line					≤ 1.04
Directivity					34 - 40 dB
Insertion loss					≤ 0.05 dB
Connectors main line		7-16 male/female	1 5/8" EIA female/female	3 1/8" EIA female/female	4 1/2" EIA female/female (339 IEC 50-105)
Connectors coupled line					SMA female
Termination load 1 W included					Do not overload termination load. Please define an adequate coupling factor.
Dimensions (L x H) mm		148 x 98.5	150 x 92	240 x 110.5	300 x 122.5
Weight		≈ 0.6 kg	≈ 1.1 kg	≈ 3.5 kg	≈ 5.3 kg
Environmental conditions					For limitations see "Environmental Conditions for Broadcast Products".

Adapters & Measurement Accessories