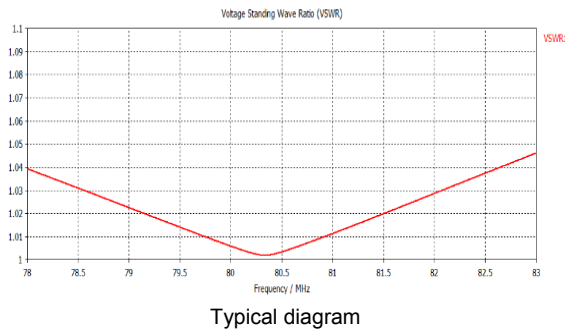


4.4 kW 2-Way Power Combiner



- T-style
- high power handling
- compact design
- low VSWR
- for indoor application



Part number	BN 81 82 11 C0001
Application	Power combiner for balanced feeding of all inputs (equal amplitudes and phases)
Frequency range	80.5 MHz
Connectors	Input 2 x 7/8" EIA male (with built in coupling element) Output 1 x 1 5/8" EIA male (with built in coupling element)
Average input power rating, max. ¹⁾	2 x 2.2 kW
Average output power rating, max.	4.4 kW
Sum of all peak voltages at all inputs ²⁾	4.3 kV, limited by 7/8" connectors
Insertion loss (without coupling loss)	≤ 0.1 dB
Return loss ³⁾	≥ 29 dB (VSWR ≤ 1.07)
Power ratio	3 dB +/- 0.1 dB
Phase balance	0° +/- 3°
Dimensions (L x W x H) mm	ca. 468 x 159 x 90
Weight	ca. 2.0 kg
Ambient temperature	-10 °C ≤ θ ≤ +55 °C
Relative humidity, max.	95% (non-condensing)
Materials	copper alloy, aluminum alloy, stainless steel, PTFE
Surfaces	silver
Environmental conditions	ETSI EN 300 019-1-3 V2.3.2 (2009-1) class 3.1 N

¹⁾ For total reflection with arbitrary phase at output port; balanced feeding at input ports mandatory.

²⁾ To calculate the sum of all peak voltages you have to add peak voltages of all sources and possible reflected voltages coming from reactive loads.

³⁾ Measured at output port

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Dimensions:

