

Broad Band Power Divider / Combiner

DESCRIPTION

- Two antennas connected to the same transmitter or receiver.
  - Broad band power splitter for radio systems.
  - Combining two transmitters on the same antenna.
- Note: The power splitter has to be mounted on an extra heat sink when used as a combiner. Max. 15 W per TX.
- Combining two signal generators.
  - 30 W load built-in.

SPECIFICATIONS

Electrical	
Model	PRO-BBMPHY-450-2-N
Frequency	430 - 470 MHz (other frequencies on request)
Type	Cascaded Wilkinson-hybrid
Insertion Loss	< 3.6 dB, typically < 3.4 dB
Impedance	50 Ω
Isolation Tx1 - Tx2	> 20 dB, typically > 23 dB
Phase Tx1, Tx2	0°
VSWR	< 1.5:1 (typically < 1.3:1)
Maximum Input Power	30 W when used as a power splitter - 15 W per channel when used as a hybrid combiner. Note: Extra cooling necessary when used as a hybrid combiner
Bandwidth	30 MHz min. Can be extended.
Load	30 W load built-in

Mechanical	
Connection(s)	N female (other on request)
Dimensions	130 (incl. conn.) x 152 x 35 mm
Weight	0.4 kg / 0.88 lb

Environmental	
Operating Temperature Range	-30 °C to +60 °C

ORDERING

Type	Product No.
PRO-BBMPHY-450-2-N	210000290



DIAGRAM

TYPICAL RESPONSE CURVE

