

DUPLEXERS, DIPLEXERS AND POWER SPLITTERS

PRO-BBMPHY-450-2-N Broad Band Power Hybrid



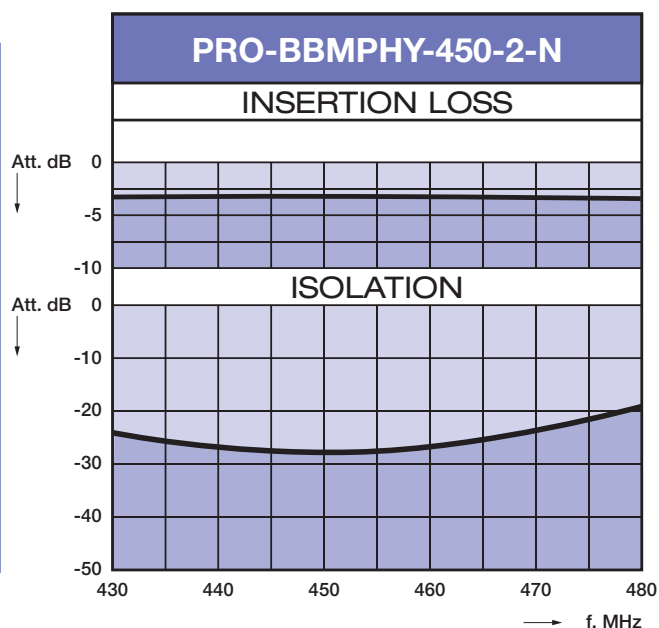
DESCRIPTION:

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



SPECIFICATIONS:

ELECTRICAL	
MODEL	PRO-BBMPHY-450-2-N
TYPE	Cascaded Wilkinson-hybrid
FREQUENCY	440 - 470 MHz (other frequencies on request)
MAX. 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.
INSERTION LOSS	< 3.6 dB, typically < 3.4 dB
ISOLATION TX ₁ , TX ₂	> 20 dB, typically > 23 dB
PHASE TX ₁ , TX ₂	0°
IMPEDANCE	Nom. 50 Ω
LOAD	30 W load built-in
SWR	< 1.5 (typically < 1.35)
MECHANICAL	
TEMPERATURE RANGE	-30° C → +60° C
CONNECTOR TYPE	N-female (others types available)
DIMENSIONS (L x W x H)	130 (incl. conn.) x 152 x 35 mm
WEIGHT	Approx. 400 g



PROCOM A/S reserve the right to amend specifications without prior notice.