

DUPLEXERS, DIPLEXERS AND POWER SPLITTERS

PRO-BBPHY 4/2-20-3 dB-N Broad Band Power Hybrid



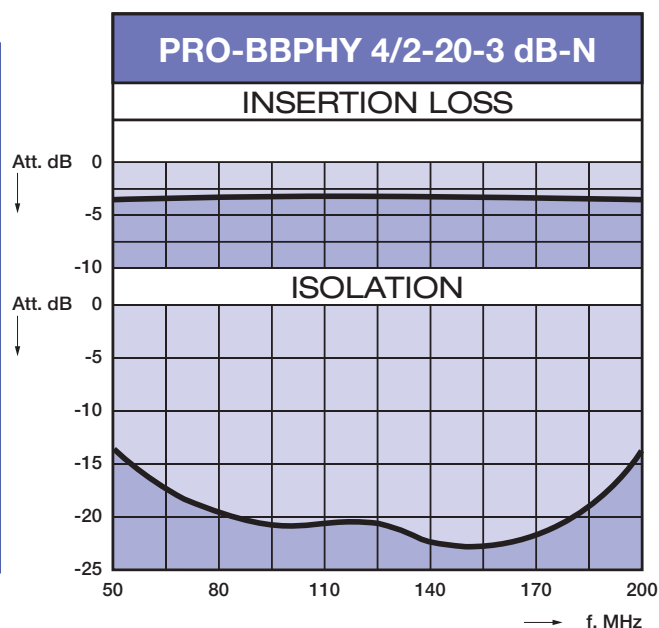
DESCRIPTION:

- ★ 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 as a combiner. Max. 15 W per TX.
- ★ Combining of two signal generators.
- ★ 30 W load built-in.



SPECIFICATIONS:

ELECTRICAL	
MODEL	PRO-BBPHY 4/2-20-3 dB-N
TYPE	Cascaded Wilkinson-hybrid
FREQUENCY	70 - 175 MHz
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
INSERTION LOSS	< 3.8 dB, typically < 3.4 dB
ISOLATION TX ₁ , TX ₂	> 16 dB 70 - 175 MHz, typically > 20.5 dB
PHASE TX ₁ , TX ₂	0°
IMPEDANCE	Nom. 50 Ω
LOAD	30 W load built-in
SWR	< 1.5 all other ports terminated with 50 Ω (typically < 1.4)
MECHANICAL	
TEMPERATURE RANGE	- 30° C → +60° C
CONNECTOR TYPE	N-female (other types available)
DIMENSIONS (L x W x H)	126 (incl. conn.) x 97.5 (incl. conn.) x 30.3 mm
WEIGHT	Approx. 400 g



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