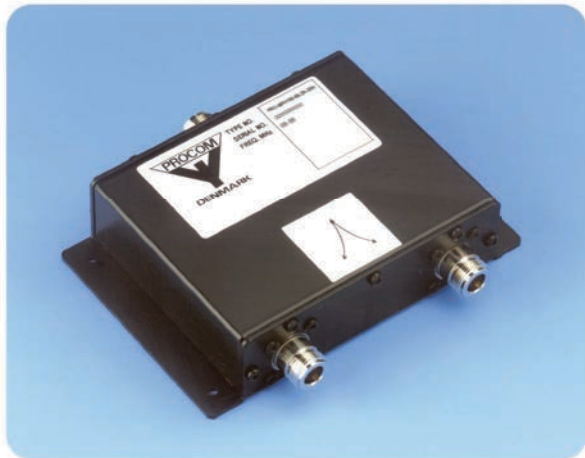


# PRO-BBMPHY-450-2-N

## 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.



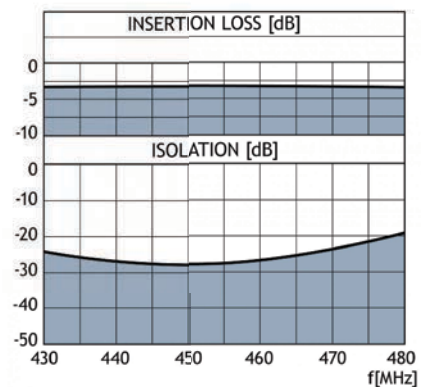
### ORDERING DESIGNATION

TYPE NO.	PRODUCT NO.
PRO-BBMPHY-450-2-N	210000290

### 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 $\Omega$
LOAD	30 W load built-in
SWR	< 1.5 (typically < 1.35)
MECHANICAL	
TEMP. RANGE	-30° C $\rightarrow$ +60° C
CONNECTOR TYPE	N-female (other types available)
DIMENSIONS (L x W x H)	130 (incl. conn.) x 152 x 35 mm
WEIGHT	Approx. 400 g

### TYPICAL RESPONSE CURVE



PROCOM France S.A.R.L. se réserve le droit d'améliorer les spécifications sans préavis.  
01/11/11