

PRO-BBMPHY-74-175-3 dB-100W

Broad Band Power Divider / Combiner

- Two antennas connected to the same transmitter or receiver.
- Broad band power splitter for radio systems.

DESCRIPTION

- Combining of two transmitters on the same antenna.
- Note: The power splitter has a built-in heat sink.  
Max. 40 W per TX.
- 100 W load built-in.

ORDERING DESIGNATIONS

TYPE	PRODUCT NO.
PRO-BBMPHY-74-175-3 dB-100W	210000286

SPECIFICATIONS

ELECTRICAL	
MODEL	PRO-BBMPHY-74-175-3 dB-100W
TYPE	Cascaded Wilkinson-hybrid
FREQUENCY	74 - 175 MHz
MAX. INPUT POWER	100 W when used as a power splitter - 40 W per channel when used as a hybrid combiner. Note: Gets hot when used as a hybrid combiner. (Up to approx. 80° C)
INSERTION LOSS	< 3.6 dB
ISOLATION TX <sub>1</sub> , TX <sub>2</sub>	> 20 dB
PHASE TX <sub>1</sub> , TX <sub>2</sub>	0°
IMPEDANCE	Nom. 50 Ω
LOAD	100 W load built-in
SWR	< 1.5 with all other ports terminated with 50 Ω
MECHANICAL	
TEMP. RANGE	-30° C → +60° C
CONNECTOR TYPE	N-female (other types available)
DIMENSIONS (L x W x H)	196 (incl. conn.) x 128 x 70 mm
WEIGHT	Approx. 1.3 kg



TYPICAL RESPONSE CURVE

