

Broad Band Power Divider / Combiner

DESCRIPTION

- > Two antennas connected to the same transmitter or receiver.
- > Broad band power divider for radio systems.
- > Combining two transmitters on the same antenna.
- > Note: The power divider 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-150-2-N
Frequency	144 - 175 MHz
Type	Cascaded Wilkinson-hybrid
Max. Input Power	30 W when used as a power divider. 15 W per channel when used as a hybrid combiner. Note: Extra cooling necessary when used as a hybrid combiner
Insertion Loss	< 3.6 dB, typically < 3.4 dB
Impedance	50 Ω
Isolation Tx1 - Tx2	> 24 dB, typically > 26 dB
Phase Tx1, Tx2	0°
VSWR	< 1.6:1 all other ports terminated with 50Ω
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-150-2-N	210000287



DIAGRAM

TYPICAL RESPONSE CURVE

