

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.

SPECIFICATIONS

Electrical			
Model	PRO-BBPHY 4/2-20-.. dB-N	PRO-BBPHY 4/2-20-3 dB-N	PRO-BBPHY 4/2-20-10 dB-N
Frequency	70 - 175 MHz		
Type	Cascaded Wilkinson-hybrid		
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, typ. < 3.4 dB	1.1 dB ±0.5 dB / 10 dB ±1 dB	
Impedance	50 Ω		
Isolation Tx1 - Tx2	> 16 dB 70 - 175 MHz, typ. > 20.5 dB	> 17 dB 70 - 175 MHz, typ. > 19 dB	
Phase Tx1, Tx2	0°		
VSWR	< 1.5:1 - all other ports terminated with 50Ω (typically < 1.4)		
Load	30 W load built-in		

Mechanical	
Connection(s)	N female (other on request)
Dimensions	126 (incl. conn.) x 97.5 (incl. conn.) x 30.3 mm
Weight	0.4 kg / 0.88 lb

Environmental	
Operating Temperature Range	-30°C to +60°C
Ingress Protection	IP64

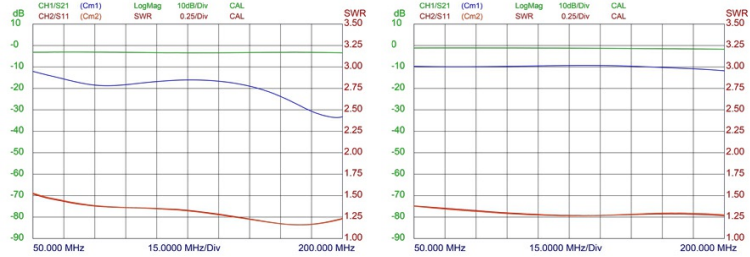
ORDERING

Type	Product No.
PRO-BBPHY 4/2-20-3 dB-N	210000291
PRO-BBPHY 4/2-20-10 dB-N	210000289



DIAGRAM

TYPICAL RESPONSE CURVE for 3 dB TYPICAL RESPONSE CURVE for 10 dB



MOUNTING DETAILS

