

2-Channel Hybrid Ring Combiner for 450 MHz Transmitters

DESCRIPTION

- Combining two transmitters or receivers on the same antenna.
- Better utilization of good antenna position.
- Two antennas on the same transmitter or receiver.
- Combining two signal generators.
- The only combining option with very small TX-TX frequency spacing.
- 60 W load supplied (other loads or no load as option).

SPECIFICATIONS

Electrical	
Filter Type	Hybrid Junction
Frequency	380 - 475 MHz (see table)
Insertion Loss	< 3.4 dB @ 10 MHz BW < 3.7 dB @ 20 MHz BW
Impedance	50 Ω
Isolation Tx1 - Tx2	> 35 dB @ 10 MHz BW > 30 dB @ 20 MHz BW
VSWR	< 1.5:1 with all other ports terminated with 50Ω
Maximum Input Power	50 W per channel (max. 150 W with larger load)
Load	30 W load fitted (other ratings available)
No. Of Channels	2

Mechanical	
Connection(s)	N female (other on request)
Dimensions	210 x 85 (incl. conn.) x 42 mm (excl. load)
Weight	0.7 kg / 1.54 lb

Environmental	
Operating Temperature Range	-30 °C to +60 °C

ORDERING

Type	Product No.	Frequency
PRO-PHY450-2-TETRA	210001126	380 - 400 MHz
PRO-PHY450-2-1	210000580	400 - 420 MHz
PRO-PHY450-2-2	210000546	415 - 435 MHz
PRO-PHY450-2-3	210000579	430 - 450 MHz
PRO-PHY450-2-4	210000542	445 - 465 MHz
PRO-PHY450-2-5	210000570	460 - 480 MHz



DIAGRAM

RESPONSE CURVE

