

5-Channel Hybrid Combiner for 450 MHz Transmitters

DESCRIPTION

- Combining five transmitters or receivers on the same antenna.
- Better utilisation of good antenna position.
- Five antennas on the same transmitter or receiver.
- The only combining option with very small TX-TX frequency spacing.
- 30 W loads included (other loads or no loads as option).

SPECIFICATIONS

Electrical	
Filter Type	Hybrid Junction
Frequency	380 - 480 MHz
Max. Input Power	65 W per channel (max. 150 W with larger load)
Insertion Loss	< 7.5 dB +/- 0.3 dB @ 11 MHz BW < 7.8 dB +/- 0.3 dB @ 22 MHz BW
Impedance	50 Ω
Isolation Tx1 - Tx2	> 30 dB @ 11 MHz BW > 28 dB @ 22 MHz BW
VSWR	< 1.5:1 with all other ports terminated with 50Ω
Load	30 W load fitted (other ratings available)
No. of Channels	5 - 5
Mechanical	
Connection(s)	N female (other on request)
Dimensions	510 x 89 (incl. conn.) x 42 mm (excl. load)
Weight	1.625 kg / 3.58 lb
Environmental	
Operating Temperature Range	-30°C to +60°C

ORDERING

Type	Product No.	Frequency
PRO-PHY450-5-1	210001383	380 - 400 MHz
PRO-PHY450-5-2	210001384	390 - 410 MHz
PRO-PHY450-5-3	210001385	400 - 420 MHz
PRO-PHY450-5-4	210001386	410 - 430 MHz
PRO-PHY450-5-5	210001387	420 - 440 MHz
PRO-PHY450-5-6	210001388	430 - 450 MHz
PRO-PHY450-5-7	210001389	440 - 460 MHz
PRO-PHY450-5-8	210001390	450 - 470 MHz
PRO-PHY450-5-9	210001391	460 - 480 MHz



DIAGRAM

TYPICAL RESPONSE CURVE



MOUNTING DETAILS_x000d_

