

3-Channel Hybrid Combiner for 450 MHz Transmitters

DESCRIPTION

- Combining three transmitters or receivers on the same antenna.
- Better utilisation of good antenna position.
- Three antennas on the same transmitter or receiver.
- 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 | < 5.3 dB +/- 0.3 dB @ 11 MHz BW < 5.5 dB +/- 0.3 dB @ 22 MHz BW |
| Impedance | 50 Ω |
| Isolation Tx1 - Tx2 | > 26 dB @ 11 MHz BW > 25 dB @ 22 MHz BW |
| VSWR | < 1.5:1 with all other ports terminated with 50Ω |
| Maximum Input Power | 75 W per channel (max. 150 W with larger load) |
| Load | 30 W load fitted (other ratings available) |
| No. Of Channels | 3 |
| Mechanical | |
| Connection(s) | N female (other on request) |
| Dimensions | 400 x 89 (incl. conn.) x 42 mm (excl. load) |
| Weight | 1.3 kg / 2.87 lb |
| Environmental | |
| Operating Temperature Range | -30 °C to +60 °C |

ORDERING

| Type | Product No. | Frequency |
|----------------|-------------|---------------|
| PRO-PHY450-3-1 | 210000540 | 395 - 410 MHz |
| PRO-PHY450-3-2 | 210000595 | 405 - 420 MHz |
| PRO-PHY450-3-3 | 210000557 | 415 - 430 MHz |
| PRO-PHY450-3-4 | 210000654 | 425 - 440 MHz |
| PRO-PHY450-3-5 | 210000733 | 435 - 450 MHz |
| PRO-PHY450-3-6 | 210000621 | 445 - 460 MHz |
| PRO-PHY450-3-7 | 210000575 | 455 - 470 MHz |
| PRO-PHY450-3-8 | 210000576 | 465 - 480 MHz |



DIAGRAM

TYPICAL RESPONSE CURVE

