



PRO-PHY130-2

2-Channel Hybrid Ring Combiner for 130 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.
- 30 W load supplied (other loads or no load as option).

SPECIFICATION

Last Update: 07/10/2026 09:06 AM

ELECTRICAL

Filter Type	Hybrid Junction
Frequency	112 – 140 MHz (see ordering)
Max. Input Power	30 W per channel (max. 100 W with larger load)
Insertion Loss	< 3.5 dB @ 8 MHz BW
Impedance	50 Ω
Isolation Tx1 – Tx2	30 dB @ 8 MHz BW (* see note)
VSWR	< 1.5:1 with all other ports terminated with 50 Ω
Load	30 W load fitted (other ratings available) (** see note)
No. of channels	2

ENVIRONMENTAL

Operating temperature range	-30 °C to +60 °C
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MECHANICAL

Connection(s)	N(f) (other on request)
Historic Brand	Amphenol Procom
Dimensions	210 x 85.5 (incl. conn.) x 42 mm (excl. load) / 8.30 x 3.37 x 1.65 in.
Weight	Approx 0.7 kg / 1.54 lb. (excl. load)

ADDITIONAL INFORMATION

Note

* The isolation between the Tx ports is directly dependent on the terminating VSWR on the antenna port. With an antenna load VSWR = 1.5, the isolation between the two Tx ports will be reduced to 20 dB @ 3 MHz bandwidth.

** The VSWR of the load's should be < 1.1! Each load should be able to dissipate 1/2 of the input power. E.g.: With 50 W input in total for the two channels, the load should be able to dissipate $50 \text{ W} \times 1/2 = 25 \text{ W}$.

