

# FM HYBRID COUPLERS

## FEATURES



- ◆ Full Band Operations
- ◆ 3 dB, 3.98 dB, and 4.77 dB versions
- ◆ Custom splits also available
- ◆ Sizes from Type N to 6-1/8"
- ◆ Custom connector options
- ◆ Ideal for use in power combiners and antenna feeds (non-pressurized applications only)

P-Cube's FM Hybrid Couplers are a cost-effective way to satisfy your station's combining and splitting needs. With full band specifications, a single hybrid can be used for feeding a broadband antenna or off-the-shelf transmitter power combining. With a variety of connector options, choosing the right hybrid is easy.

The experienced P-Cube staff is available to answer any questions and will work with you to find the correct coupler for your needs. Call or email us with your requirements.

## TYPICAL 3 dB HYBRID CONNECTOR CONFIGURATIONS

OUTPUT POWER (kW avg.)	OUTPUT CONNECTOR	INPUT CONNECTORS	LOAD PORT CONNECTOR
1.0	Type "N"	Type "N"	Type "N"
2.0	DIN 7/16	Type "N" or DIN 7/16	Type "N" or DIN 7/16
3.4	7/8"	DIN 7/16 or 7/8"	DIN 7/16 or 7/8"
11.5	1-5/8"	1-5/8"	DIN 7/16, 7/8" or 1-5/8"
40.0	3-1/8"	3-1/8"	1-5/8" or 3-1/8"
64.0	4-1/16"	3-1/8" or 4-1/16"	3-1/8" or 4-1/16"
120.0	6-1/8", 50 ohm	6-1/8", 50 ohm	3-1/8", 4-1/16" or 6-1/8"

## SPECIFICATIONS

<b>INPUT VSWR:</b>	1.05 : 1 over FM band 1.03 : 1 over single FM channel
<b>SPLIT (88-108 MHz):</b>	3 dB ± 0.1 dB 4.77/1.76 dB ± 0.2 dB 3.98/2.22 ± 0.2 dB
<b>ISOLATION</b>	> 30 dB typ.
<b>PORT CENTERLINE SPACING</b>	30" typical
<b>CONNECTORS</b>	See Chart for typical configurations Custom options available
<b>CUSTOM SPLITS &amp; CONNECTOR CONFIGURATIONS AVAILABLE. CONTACT SALES.</b>	