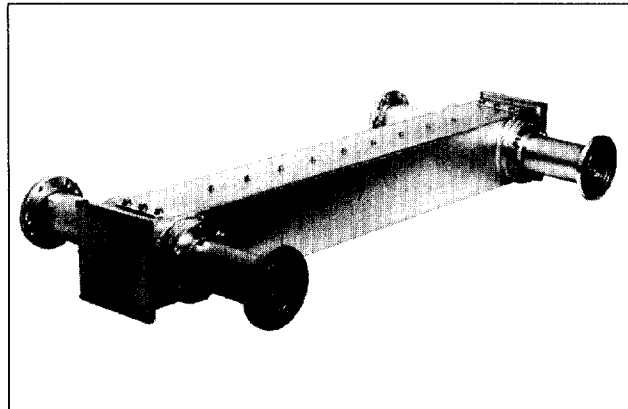




FM Coaxial Hybrids

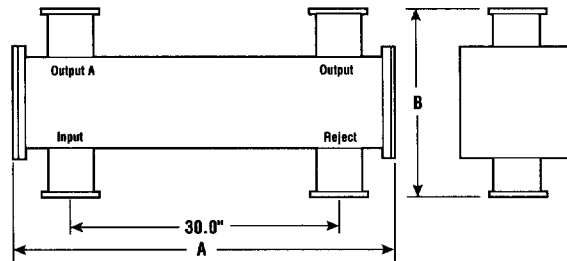
Features

- Wholeband Quadrature Performance
- Used as Power Combiners or Dividers
- Compact Crossover Design
- Each Individually Tested
- Non-corroding Chromate Conversion Finish
- Exceptionally Low VSWR and Insertion Loss
- Low-loss Copper Inner Components



CH Series FM Hybrid

Our high-power quadrature crossover coaxial hybrids are designed for optimum performance. The shielded tube design allows for a small cross section without sacrificing power handling. The design also ensures whole band operation with low VSWR and insertion loss.



Specifications

Frequency, MHz	87.5 to 108
VSWR	<1.06:1
Insertion Loss, dB	<0.05
Power Split, dB	-3.0 ± 0.1
Isolation, dB	>32
Phase Split	90 ± 2 degrees

Ordering Information, FM 90° Hybrids

Type No.	Combined Interface	Connector in (mm)	Dimension A in (mm)	Dimension B in (mm)	Case Dimensions
CH250-OFM	10	3-1/8" EIA, female	34.00 (863.6)	8.88 (225.6)	1.75 x 4.00 (44.5 x 101.6)
CH251-OFM	10	Unflanged	34.00 (863.6)	8.50 (215.9)	1.75 x 4.00 (44.5 x 101.6)
CH350-OFM	20	3-1/8" EIA, female	37.00 (939.8)	14.00 (355.6)	5.40 x 5.40 (137.2 x 137.2)
CH351-OFM	20	Unflanged	40.00 (1016)	13.50 (342.9)	5.40 x 5.40 (137.2 x 137.2)
CH450-OFM	40	3-1/8" EIA, female	40.00 (1016)	18.00 (457.2)	8.64 x 8.64 (219.5 x 219.5)
CH451-OFM	40	Unflanged	40.00 (1016)	17.50 (444.5)	8.64 x 8.64 (219.5 x 219.5)
CH650-OFM	80	3-1/8" EIA, female	40.00 (1016)	18.00 (457.2)	8.64 x 8.64 (219.5 x 219.5)