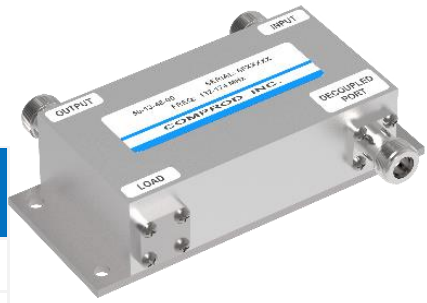
HYBRID DIRECTIONAL COUPLERS 138-300 MHz

50-FF-YY-XX Series

We offer a full line of compact couplers covering the frequency ranges from 138-174, 215-300, or 350-520 MHz. The full range of coupling values provides balanced power division and distribution. The 50-FF series uses a multilayer bonded PCB design resulting in a high performance compact design.

- Low insertion Loss, Excellent return Loss.
- Compact dimensions: 5.0x3.70x1.5 in.
- 3, 4.8, 6, 7, 10, 15, 20, 30 dB values.
- 200 Watts Maximum main line power. Integrated Mounting Bracket.



With Integrated 5-Watt Load	Frequency Range	Coupling Nom. (dB)	Thruline Loss (dB)	Power Split Ratio (%)
50-13-03-05	138-174MHz	-3.0	-3.0 ±0.3	50 / 50
50-13-48-05	138-174MHz	-4.8	-1.8 ±0.2	67 / 33
50-13-06-05	138-174MHz	-6.0	-1.2 ±0.2	75 / 25
50-13-07-05	138-174MHz	-7.0	-1.0 ±0.2	80 / 20
50-13-10-05	138-174MHz	-10.0	-0.5 ±0.2	90 / 10
50-13-15-05	138-174MHz	-15.0	-0.14 ±0.2	97 / 3
50-13-20-05	138-174MHz	-20.0	-0.04 ±0.2	99 / 1
50-13-30-05	138-174MHz	-30.0	-0.04 ±0.2	99.9 / 0.1
50-21-03-05	215-300MHz	-3.0	-3.0 ±0.3	50 / 50
50-21-48-05	215-300MHz	-4.8	-1.8 ±0.2	67 / 33
50-21-06-05	215-300MHz	-6.0	-1.2 ±0.2	75 / 25
50-21-07-05	215-300MHz	-7.0	-1.0 ±0.2	80 / 20
50-21-10-05	215-300MHz	-10.0	-0.5 ±0.2	90 / 10
50-21-15-05	215-300MHz	-15.0	-0.14 ±0.2	97 / 3
50-21-20-05	215-300MHz	-20.0	-0.04 ±0.2	99 / 1
50-21-30-05	215-300MHz	-30.0	-0.04 ±0.2	99.9 / 0.1

Tel: US 1.877.825.2007 / CAN 1.800.603.1454
Email: salescomprodcom.com
Fax: 1.800.554.1033

HYBRID DIRECTIONAL COUPLERS 350-960 MHz

50-FF-YY-XX Series

We offer a full line of compact couplers covering the frequency ranges from 138-174, 215-300, or 350-520 MHz. The full range of coupling values provides balanced power division and distribution. The 50-FF series uses a multilayer bonded PCB design resulting in a high performance compact design.

- Low insertion Loss, Excellent return Loss.
- Compact dimensions: 3.0x3.0x1.5 in.
- 3, 4.8, 6, 7, 10, 15, 20, 30 dB values.
- 200 Watts Maximum main line power. Integrated Mounting Bracket.

With Integrated 5-Watt Load	Frequency Range	Coupling Nom. (dB)	Thruline Loss (dB)	Power Split Ratio (%)
50-35-03-05	350-520MHz	-3.0	-3.0 ±0.3	50 / 50
50-35-48-05	350-520MHz	-4.8	-1.8 ±0.2	67 / 33
50-35-06-05	350-520MHz	-6.0	-1.2 ±0.2	75 / 25
50-35-07-05	350-520MHz	-7.0	-1.0 ±0.2	80 / 20
50-35-10-05	350-520MHz	-10.0	-0.5 ±0.2	90 / 10
50-35-15-05	350-520MHz	-15.0	-0.14 ±0.2	97 / 3
50-35-20-05	350-520MHz	-20.0	-0.04 ±0.2	99 / 1
50-35-30-05	350-520MHz	-30.0	-0.04 ±0.2	99.9 / 0.1
50-74-03-05	740-960MHz	-3.0	-3.0 ±0.3	50 / 50
50-74-48-05	740-960MHz	-4.8	-1.8 ±0.2	67 / 33
50-74-06-05	740-960MHz	-6.0	-1.2 ±0.2	75 / 25
50-74-07-05	740-960MHz	-7.0	-1.0 ±0.2	80 / 20
50-74-10-05	740-960MHz	-10.0	-0.5 ±0.2	90 / 10
50-74-15-05	740-960MHz	-15.0	-0.14 ±0.2	97 / 3
50-74-20-05	740-960MHz	-20.0	-0.04 ±0.2	99 / 1
50-74-30-05	740-960MHz	-30.0	-0.04 ±0.2	99.9 / 0.1