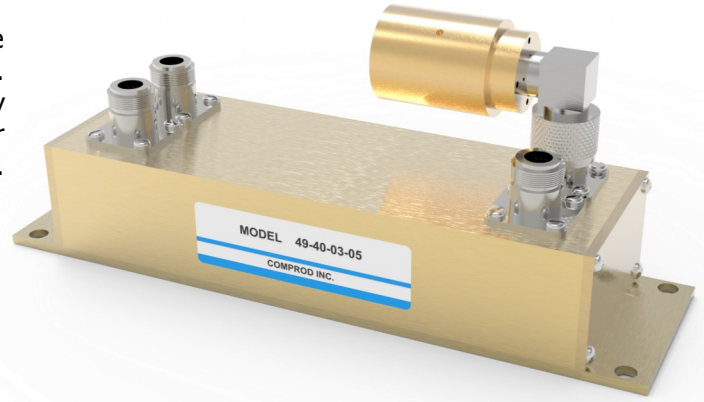


**49-FF-YY-XX Series**

Comprod offers a full line of hybrid directional couplers. The full range of decoupling values allows balanced power division and distribution. These couplers are bi-directional and are well suited for two-way communications systems. A full line of tri-band models is available for distribution of VHF, UHF and 800 MHz via a single transmission line. Standard finish is gold alodine.



- Low insertion loss
- High isolation between ports
- Excellent VSWR
- Tri-band and other models are available and customizable. Please contact a technical support technicians for consultation.

Model With No Load	Model With 5 Watt Load	Model With 25 Watt Load	Frequency Range	Decoupling (dB)	ThruLine Loss (dB)	Power Split Ratio (%)
49-13-03-00	49-13-03-05	49-13-03-25	138-174 MHz	-3, ±0.7	-3.0, ±0.3	50 / 50
49-13-48-00	49-13-48-05	49-13-48-25	138-174 MHz	-4.8, ±0.7	-4.8, ±0.3	67 / 33
49-13-06-00	49-13-06-05	49-13-06-25	138-174 MHz	-6.0, ±1.0	-1.2, ±0.2	75 / 25
49-13-07-00	49-13-07-05	49-13-07-25	138-174 MHz	-7.0, ±1.0	-1.0, ±0.2	80 / 20
49-13-10-00	49-13-10-05	49-13-10-25	138-174 MHz	-10.0, ±1.0	-0.5, ±0.2	90 / 10
49-13-20-00	49-13-20-05	49-13-20-25	138-174 MHz	-20.0, ±1.0	-0.3 max.	99 / 1
49-38-03-00	49-38-03-05	49-38-03-25	380-512 MHz	-3, ±0.7	-3.0, ±0.3	50 / 50
49-38-48-00	49-38-48-05	49-38-48-25	380-512 MHz	-4.8, ±0.7	-4.8, ±0.3	67 / 33
49-38-06-00	49-38-06-05	49-38-06-25	380-512 MHz	-6.0, ±1.0	-1.2, ±0.2	75 / 25
49-38-07-00	49-38-07-05	49-38-07-25	380-512 MHz	-7.0, ±1.0	-1.0, ±0.2	80 / 20
49-38-10-00	49-38-10-05	49-38-10-25	380-512 MHz	-10.0, ±1.0	-0.5, ±0.2	90 / 10
49-38-15-00	49-38-15-05	49-38-15-25	380-512 MHz	-15.0	-0.2 max.	97 / 3
49-38-20-00	49-38-20-05	49-38-20-25	380-512 MHz	-20.0	-0.2 max.	99 / 1
49-38-30-00	49-38-30-05	49-38-30-25	380-512 MHz	-30.0	-0.2 max.	99.9 / 0.1
49-74-03-00	49-38-03-05	49-38-03-25	746-960 MHz	-3, ±0.7	-3.0, ±0.3	50 / 50
49-74-48-00	49-38-48-05	49-38-48-25	746-960 MHz	-4.8, ±0.7	-4.8, ±0.3	67 / 33
49-74-06-00	49-38-06-05	49-38-06-25	746-960 MHz	-6.0, ±1.0	-1.2, ±0.2	75 / 25
49-74-07-00	49-38-07-05	49-38-07-25	746-960 MHz	-7.0, ±1.0	-1.0, ±0.2	80 / 20
49-74-10-00	49-38-10-05	49-38-10-25	746-960 MHz	-10.0, ±1.0	-0.5, ±0.2	90 / 10
49-74-15-00	49-38-15-05	49-38-15-25	746-960 MHz	-15.0	-0.2 max.	97 / 3
49-74-20-00	49-38-20-05	49-38-20-25	746-960 MHz	-20.0	-0.2 max.	99 / 1
49-74-30-00	49-38-30-05	49-38-30-25	746-960 MHz	-30.0	-0.2 max.	99.9 / 0.1