

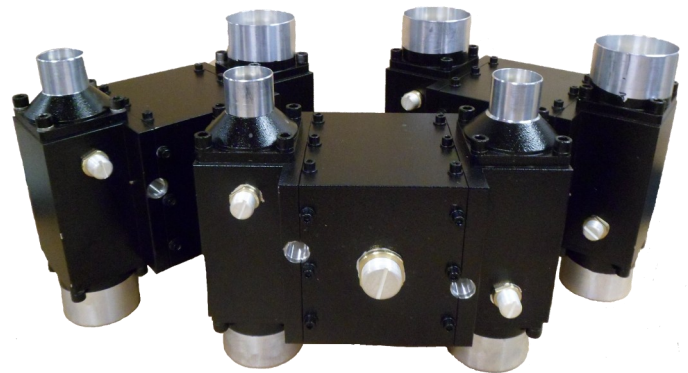


3 dB Coupler / Hybrid Combiner

The JAMPRO RCHC 3 dB coupler is fabricated with high strength, non-ferrous materials and requires no external cooling when used within its ratings. This family of hybrid combiners is ideal for two or more UHF Band IV transmitters.

To allow ease of installation, the product is available in EIA flanged or unflanged models. The maximum power rating is from 1 kW to 30 kW. This product is available stand-alone or with the necessary reject load and/or 90 degree line.

Further enhancements include auxiliary RF patch panels and/or coaxial switches to allow by pass and operation at half power from one transmitter while the other one is being serviced and fed into a dummy load. Other applications include RF feeder systems for antennas and combing systems.



TYPICAL SPECIFICATIONS

Coupling	Insertion Loss	VSWR	Isolation
3 dB +/- 0.2 dB	0.1 dB Over Band	1.06:1 Over Band	> 30 dB Over Band



RCHC-XXX-2U

Band II, 3dB Hybrid Crossover Configuration
Power Level: 1 kW Max not to exceed connector rating

Model #	Input/Output	Flanged/Unflanged
RCHC-DDN-2U	3 x DIN-7-16, 1 x Type "N"	N/A
RCHC-111-2U	4 x 7/8"	Flanged

RCHC-###-4U

Band IV, 3dB Hybrid Crossover Configuration
Power Level: 5 kW Max. not to exceed connector rating

Model #	Input/Output	Flanged/Unflanged
RCHC-222-4U	4 x 1-5/8"	Unflanged
RCHC-221-4U	3 x 1-5/8", 1 x 7/8"	Unflanged
RCHC-111-4U	4 x 7/8"	Unflanged
RCHC-11N-4U	3 x 7/8", 1 x Type "N"	Unflanged

RCHC-XXX-6U

Band IV, 3dB Hybrid Crossover Configuration
Power Level: 20 kW Max. not to exceed connector rating

Model #	Input/Output	Flanged/Unflanged
RCHC-433-6U	1 x 4-1/16", 3 x 3-1/8"	Unflanged
RCHC-432-6U	1 x 4-1/16", 2 x 3-1/8", 1 x 1-5/8"	Unflanged
RCHC-333-6U	3 x 3-1/8"	Unflanged
RCHC-332-6U	1 x 1-5/8", 3 x 3-1/8"	Unflanged

RCHC-XXX-8U

Band IV, 3dB Hybrid Crossover Configuration
Power Level: 30 kW Max. not to exceed connector rating

Model #	Input/Output	Flanged/Unflanged
RCHC-444-8U	4 x 4-1/16"	Unflanged
RCHC-433-8U	1 x 4-1/16", 3 x 3-1/8"	Unflanged
RCHC-432-8U	1 x 4-1/16", 2 x 3-1/8", 1 x 1-5/8"	Unflanged

*Flanged and Unflanged option available