

High Power Single and Dual Directional Couplers



RLC Electronics' high power directional couplers offer accurate coupling, low insertion loss and high directivity in a compact package. The standard units are optimized for 2 octave bandwidths and are available with a choice of cou-

pling values. These units are ideal for sampling forward and reflected power with a negligible effect on the transmission line and very low intermodulation products.

CHP-1040 -1-2-3-4
CHP-2080 -1-2-3-4
CHP-3012 -1-2-3-4

Model Number	Frequency Range (GHz)	Directivity (Min.)	Primary VSWR (Max.)	Secondary VSWR (Max.)	Insertion Loss (Max.)
CHP-1040-	1-4	23dB	1.20	1.30	.15dB
CHP-2080-	2-8	21dB	1.25	1.30	.20dB
CHP-3012-	3-12	18dB	1.30	1.30	.25dB

Impedance: 50 ohms

Power: 500 watts avg., 10kw peak

Coupling (nominal): 30, 40 or 50dB

Accuracy (including frequency variation): +/- 1.0dB

Connectors:

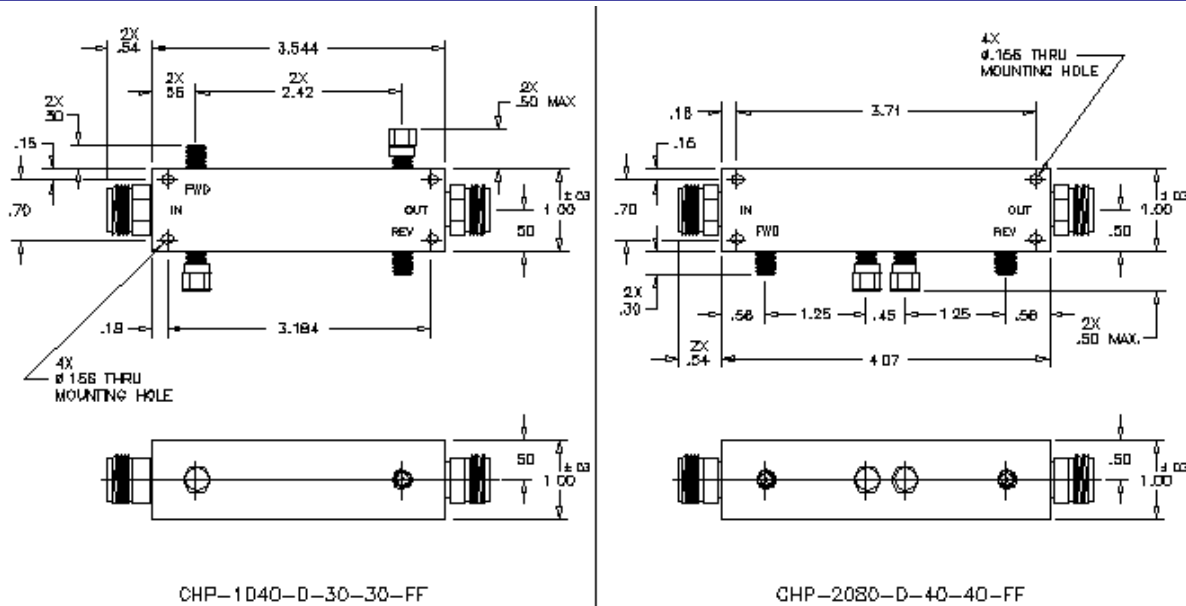
Main line - Type "N" (male or female)

Secondary line—"SMA" female

To designate the coupler desired use:

1. S for single, D for dual
2. Forward coupling value 30, 40 or 50dB
3. Reverse coupling value 30, 40 or 50dB (dual only)
4. Main line connectors (input/output)
 MM (male/male), FF (female/female)
 MF (male/female), FM (female/male)

Example: CHP-2080-D-40-40-FF is a 2-8GHz coupler with "N" female connectors on the main line and 40dB forward and reverse coupling



Specifications subject to change without notification.

Tolerances unless otherwise specified are .xx +/- .02, xxx +/- .005

Specials requiring closer tolerances, different frequency ranges, special connectors, different materials, finishes, etc. can be furnished upon request.



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