

C2037W-1-(X) Exp multicoupler, pass-reject, 7" cavities, 3 pass bandpass, 1 reject band, 108-136 MHz

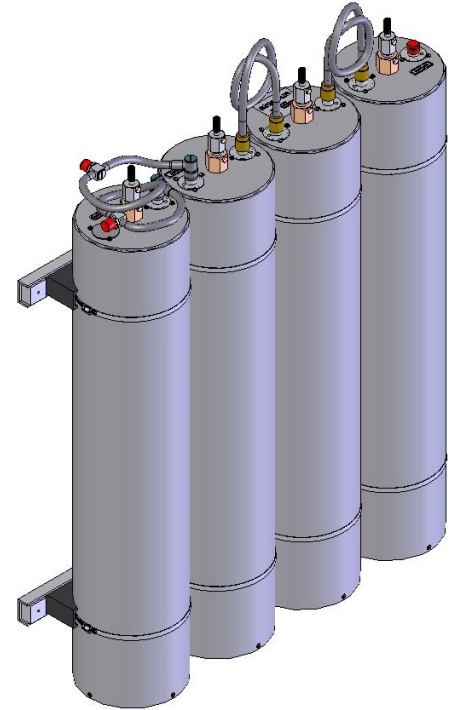
- Three bandpass cavities and one reject cavity in wall mount configuration
- Combines transmitters or receivers with inter-channel spacing down to 500 KHz
- High selectivity ideally suited for applications where significant expansion is contemplated
- Designed for wall-mount

Sinclair's C-Series multicouplers offers excellent performance combined with ease of expandability required in many multicoupling systems. Each C-Series multicoupler channel consists of a reject cavity and one or more bandpass cavities, depending on the selectivity required. The reject cavity acts as a switch, diverting the wanted channel frequency to or from the antenna, while allowing the remaining channel frequencies to flow in the antenna feed-thru line to or from the remaining C-Series multicoupler channels.

Because cable lengths between C-Series multicoupler channels are not critical, additional channels may be easily added in the field. However, in order to minimize losses due to cabling, these interconnecting cables should be as short as possible. These highly versatile combiners offer improved performance through the addition of single or dual stage isolators and/or one or more Q-circuit cavities wherever they are required.

When ordering, please refer to the chart below for specific model numbers (subject to various prices).

Model number	Frequency range
C2037W-1-1	108-114 MHz
C2037W-1-2	114-120 MHz
C2037W-1-3	120-126 MHz
C2037W-1-4	126-132 MHz
C2037W-1-5	132-136 MHz



Region	United States	Europe, Middle East, and Africa	Canada, Caribbean, and Latin America	Asia-Pacific
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Product Specification Sheet		C2037W-1-(X)	Issue: 0	Dated: 23-03-23

Electrical Specifications

Frequency Range	MHz	108 to 136
Input Connectors		N-Female
Output Connectors		N-Female
Input VSWR (max)		1.5:1
Insertion loss (min)	dB	1.7
Insertion Loss (max) Tx to Ant	dB	3.2
Average Input Power (max)	W	210-400
Frequency separation (min)	MHz	0.5
Thru Line Average Power (max)	W	500

Notes

*1 : 400W @ 1.7 dB 210W @ 3.2 dB I.L.

Mechanical Specifications

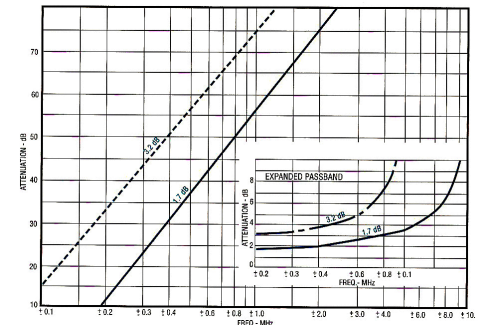
Width	in (mm)	31 (787)
Depth	in (mm)	7.5 (191)
Length/ Height	in (mm)	43.75 (1111)
Net Weight	lbs (kg)	51 (23.15)
Actual shipping weight	lbs (kg)	60 (27.24)
Shipping dimensions	in (mm)	32x10x46 (813x254x1168)

Ordering Information

Specify pass frequency and desired insertion loss at time of order.

Environmental Specifications

Temperature range	°F (°C)	-40 to +140 (-40 to +60)
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