

C2037W-1Q-(X)-(Y) Exp multicoupler, C Series, 7" cavities, three bandpass, one 'Q', 136-174 MHz

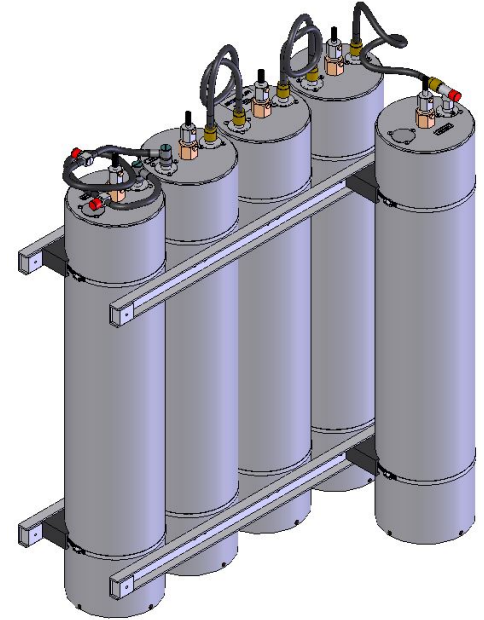
- Three bandpass cavities and one pass-reject (Q) cavity
- Combines transmitters or receivers with inter-channel spacing down to 500 KHz
- High selectivity ideally suited for applications where significant expansion is contemplated
- Wall mount

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.

When ordering, please specify the notch frequency and the loss setting for the Q-circuit cavity.

When ordering, please refer to the chart below for the model number. Frequency band configurations are subject to various list price. Please contact your Sinclair Sales Representative or Customer Service Representative for more information.



Model Name	Frequency Range (MHz)
C2037W-1Q-2-2	136-140
C2037W-1Q-2-3	140-146
C2037W-1Q-3-1	146-150
C2037W-1Q-3-2	150-155
C2037W-1Q-3-3	155-160
C2037W-1Q-3-4	160-165
C2037W-1Q-3-5	165-174

Region	United States	Europe, Middle East, and Africa	Canada, Caribbean, and Latin America	Asia-Pacific
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Electrical Specifications

Frequency Range	MHz	136 to 174	*1
Output Connectors		N-Female	
Input VSWR (max)		1.5:1	
Insertion loss (min)	dB	2	
Insertion Loss (max) Tx to Ant	dB	3.8	
Average Input Power (max)	W	400/210	*2
Frequency separation (min)	MHz	0.5	
Thru Line Average Power (max)	W	500	

Notes

- *1 : See previous chart for details.
- *2 : 400W @ 2 dB, 210W @ 4.5 dB I.L.
- *3 : +2 for C2037W-1Q-2-2 and C2037W-1Q-2-2

Mechanical Specifications

Width	in (mm)	30.25 (768)	
Depth	in (mm)	16 (406)	
Length/ Height	in (mm)	27 (686)	*3
Net Weight	lbs (kg)	80 (36.32)	
Actual shipping weight	lbs (kg)	110 (49.94)	

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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