

C3037-5 Exp multicoupler, C Series, pass-reject, 7" cavities, three bandpass, one reject, 470-512 MHz

- Three bandpass cavities and one reject cavity
- Combines transmitters or receivers with inter-channel spacing down to 1 MHz
- High selectivity ideally suited for applications where significant expansion is contemplated

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.



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Product Specification Sheet		C3037-5	Issue: 87	Dated: 08-10-13

Electrical Specifications

Frequency Range	MHz	470 to 512
Input VSWR (max)		1.5:1
Input Connectors		N-Female
Output Connectors		N-Female
Thru Line Average Power (max)	W	300
Frequency separation (min)	MHz	1
Insertion loss (min)	dB	1.7
Insertion loss (max) Tx to Ant	dB	3.2
Average Input Power (max)	W	185-300

Notes

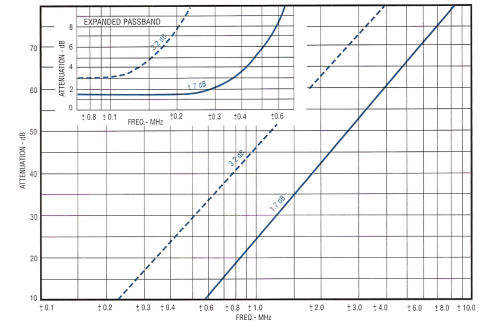
*1 : 300W @ 1.7DB/ 185W @ 3.2DB

Mechanical Specifications

Depth	in (mm)	14.9 (378)
Length/ Height	in (mm)	16 (406)
Width	in (mm)	19 (483)
Net Weight	lbs (kg)	32 (14.53)
Actual Shipping weight	lbs (kg)	45 (20.43)
Shipping dimensions	in (mm)	21x17x22 (533x432x559)

Environmental Specifications

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