

C2037-1-3 Exp multicoupler, C Series, pass-reject, 7" cavities, three bandpass, one reject, 120-126 MHz

- Three bandpass cavities and one reject cavity
- Combines transmitters or receivers with inter-channel spacing down to 500 KHz
- 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.



| Region | United States | Europe, Middle East and Africa | Caribbean and Latin America | Canada and rest of the world |
|------------------|-----------------------|--------------------------------------|--------------------------------|--|
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Electrical Specifications

| | | |
|--------------------------------|-----|------------|
| Frequency Range | MHz | 120 to 126 |
| Input VSWR (max) | | 1.5:1 |
| Average Power Input (max) | W | 210-400 |
| Input Connectors | | N-Female |
| Output Connectors | | N-Female |
| Thru Line Average Power (max) | W | 500 |
| Frequency separation (min) | MHz | 0.5 |
| Insertion loss (min) | dB | 1.7 |
| Insertion loss (max) Tx to Ant | dB | 3.2 |

Mechanical Specifications

| | | |
|------------------------|----------|----------------------------|
| Depth | in (mm) | 15.5 (394) |
| Length/ Height | in (mm) | 43.75 (1111) |
| Width | in (mm) | 19 (483) |
| Net Weight | lbs (kg) | 51 (23.15) |
| Actual Shipping weight | lbs (kg) | 60 (27.24) |
| Shipping dimensions | in (mm) | 19.5x17.5x38 (495x445x965) |

Environmental Specifications

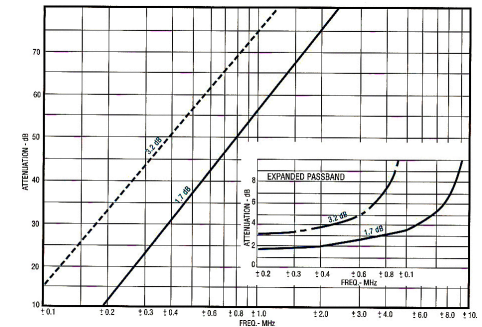
| | | |
|-------------------|---------|--------------------------|
| Temperature range | °F (°C) | -40 to +140 (-40 to +60) |
|-------------------|---------|--------------------------|

Notes

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

Ordering Information

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



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