

"C" Series Multicouplers

Description

Sinclair "C" Series Multicouplers offer excellent performance with ease of expandability required in many multicoupling systems. Each series consist of a reject cavity and one or more bandpass cavities depending upon the selectivity required.

Standard cavities consist of 7" dia. aluminum by 1/4 wave length and chemically coated to prevent oxidation. All cavities consist of temperature compensating materials to prevent changes in frequency at extreme temperature variations.

The "C" Series is also available in Sinclairs Res-Lok configuration where space is limited and when less selectivity is required.

The "C" Series System utilizes plug-in units which can easily be added to or taken out of the multicoupler string. This allows changes to be made at the site with very little down time.

The "C" Series are available in the following frequency ranges: 132-174, 406-512, 806-960 MHz.

The low band frequency of 30-50 MHz is not recommended due to the physical size of the cavities required.

The following pages in this manual cover the VHF, & UHF bands only although the tuning instructions also apply to the 806-960 MHz band.

All "C" Series are tuned and delivered to the exact specifications as ordered by the customer. Due to the many variations of system capability, the installations enclosed apply to the basic returning procedures and various mounting arrangements.

Consult Sinclair representatives, sales, or engineering departments for variations available, or special systems which may be required.