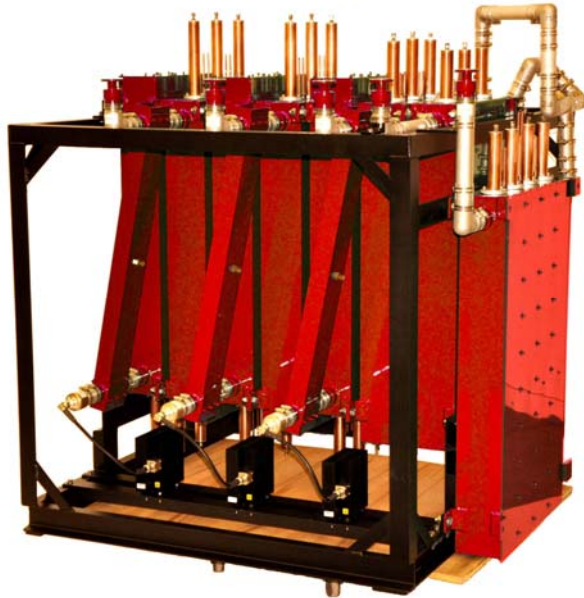


# LOW-POWER MULTI-STATION COMBINERS



## FEATURES

- Light-weight aluminum construction
- Temperature-compensated resonators
- Also available in 4-section versions
- Cross-coupled and non-cross-coupled
- Constant impedance versions also available
- Ideal for use in combiners
- Field-tunable.

This combination of P-Cube Constant Impedance Combiner modules and Bandpass Filters is a cost-effective way to combine FM stations with both close and wide frequency spacing requirements. For closely spaced frequencies (less than 1 MHz), the constant impedance design provides the best isolation, and for spacing greater than 1.6 MHz, a bandpass module can be added to an existing constant impedance module.

The image above is a 3-station Constant Impedance Filter and a 2-station branch combiner, cost-effectively combining 5 FM frequencies. This is an example of an actual system built for a customer.

P-Cube will work with you to create a custom solution for you and your site. We also offer medium- and high-power solutions. Call for details.

## MULTI-STATION COMBINERS

<b>INPUT VSWR:</b>	1.08 : 1 over Fc +/- 200 kHz
<b>GROUP DELAY:</b>	< 100 nsec +/- 200 kHz
<b>INSERTION LOSS:</b> 2 kW 5 kW 10 kW 20 kW	0.5 dB typ. over Fc +/- 200 kHz 0.4 dB typ. over Fc +/- 200 kHz 0.3 dB typ. over Fc +/- 200 kHz 0.3 dB typ. over Fc +/- 200 kHz
<b>ATTENUATION</b>	5 dB at Fc +/- 500 kHz
<b>CONNECTORS</b> 2 kW 5 kW 10 kW 20 kW	7-16 DIN, 7/8", 1-5/8" 1-5/8", 3-1/8" 1-5/8", 3-1/8" 3-1/8", 4-1/16"
<b>DIMENSIONS</b> 2 kW 5 kW 10 kW 20 kW	Approx. 6"x 16"x 42-60" Approx. 10"x 21"x 42-60" Approx. 16"x 49"x 42-60" Approx. 20"x 61"x 42-60"
<b>WEIGHT:</b> 2 kW 5 kW 10 kW 20 kW	Approx. 65 lbs Approx. 120 lbs. Approx. 240 lbs. Approx 400 lbs.