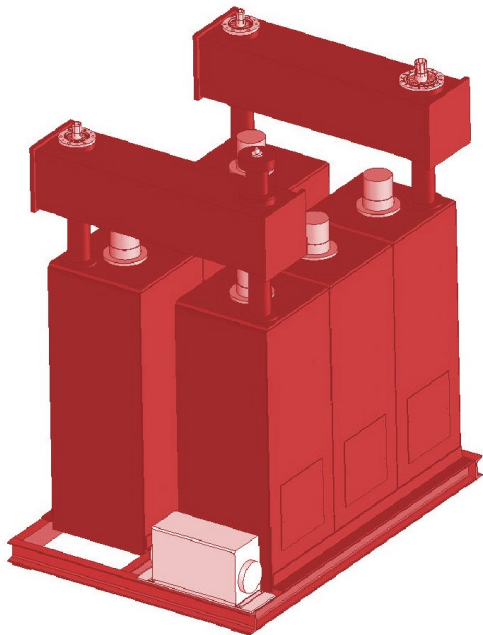


# FM CONSTANT IMPEDANCE COMBINERS 10-40 kW



## FEATURES

- ◆ **Cost-effective combining systems**
- ◆ **Narrow band inputs, up to 40 kW**
- ◆ **Combined powers up to 80 kW**
- ◆ **Broadband tunable filters**

Proven engineering provides a cost-effective FM combiner in a compact package. All filters are FM band tunable in the field without additional parts. The temperature-compensated cavities provide a stable response for narrow frequency separations, and welded cavity design keeps the insertion loss low. The unique input and output coupling design improves the return loss and overall package specifications.

## SPECIFICATIONS

	FM-3CIF-200-xxx	FM-3CIF-350-xxx	FM-3CIF-500-xxx
<b>Frequency</b>	87-108 MHz	87-108 MHz	87-108 MHz
<b>Maximum Input Power</b>	10 kW	20 kW	40 kW
<b>Input VSWR</b>	< 1.07	< 1.07	< 1.07
<b>Narrow Band Insertion Loss</b>			
Center Frequency	0.21 dB	0.20 dB	0.18 dB
±200 kHz	0.29 dB	0.20 dB	0.20 dB
<b>Isolation between Inputs</b>			
Narrow Band to Wide Band	34 dB	34 dB	34 dB
Wide Band to Narrow Band			
±1.5 MHz	40 dB	40 dB	42 dB
±3.0 MHz	60 dB	60 dB	63 dB
<b>Minimum Channel Spacing</b>	800 kHz	800 kHz	800 kHz
<b>Standard Input Connectors</b>	1-5/8" EIA Flange	3-1/8" EIA Flange	3-1/8" EIA Flange
<b>Standard Output Connectors</b>	3-1/8" EIA Flange	4-1/16" EIA Flange	4-1/16" EIA Flange
<b>Dimensions</b>	42" W x 32" D x 60" H	49" W x 40" D x 63" H	66" W x 50" D x 63" H
<b>Weight</b>	500 lbs.	600 lbs.	710 lbs.

**N.B.:** Specifications subject to change without prior notice.