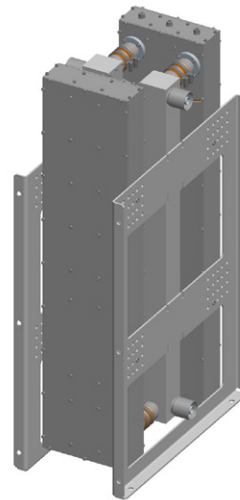


# FM Constant Impedance Combiner

## 1 kW, 3 Pole

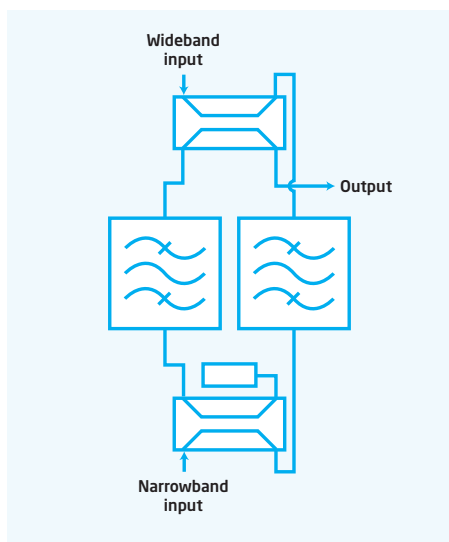


### PRODUCT FEATURES

- Flexible modular design
- Easy to place - mount on ceiling or floor
- Low insertion loss
- Retunable
- 10-year comprehensive warranty

### PRODUCT PROFILE

These balanced FM combiners employing broad-band hybrids and FM tunable filters enable the combining of FM transmitters from 1 kW to 5 kW. Dry reject loads and a stackable frame design allows broadcasters to make the best use of available floor space and still produce systems of world-beating flexibility and value.



Data in table is typical.

All average power values and technical data refer to an ambient temperature of +20-25 °C with normal air flow. The product will have a maximum surface temperature of +60 °C. Maximum power capacity may be lower depending on channel allocation.

ARTICLE	C123C06A-0PAA111
FREQUENCY	87 - 108 MHz
IMPEDANCE	50 Ohm

NARROWBAND INPUT	
MAXIMUM INPUT POWER	1 kW
INPUT VSWR	<1.07 (>30 dB)
STANDARD INPUT CONNECTOR	1 5/8" unflange
OPTIONAL INPUT CONNECTORS	7/8" flange or 7/16 f/m
INSERTION LOSS	
Centre frequency	<0.75 dB
±200 kHz	<0.85 dB

WIDEBAND INPUT	
INPUT VSWR	<1.07 (>30 dB)
STANDARD INPUT CONNECTOR	1 5/8" unflange
OPTIONAL INPUT CONNECTORS	7/8" flange or 7/16 f/m
INSERTION LOSS	
±1.5 MHz	<0.4 dB
±3.0 MHz	<0.1 dB

ISOLATION AND CHANNEL SPACING	
NARROWBAND - WIDEBAND	
	>36 dB
WIDEBAND - NARROWBAND	
±1.5 MHz from narrowband Cf	>40 dB
±3.0 MHz from narrowband Cf	>60 dB
MIN CHANNEL SPACING	
Lower spacing on request	2.0 MHz

OUTPUT	
MAXIMUM OUTPUT POWER	5 kW
STANDARD OUTPUT CONNECTOR	1 5/8" unflange
OPTIONAL OUTPUT CONNECTORS	7/8" flange or 7/16 f/m

DIMENSIONS AND WEIGHT	
DIMENSIONS	
L x W x H	519 x 264 x 921 mm (20 x 10 x 26 in)
WEIGHT	~40 kg (88 lb)