

# FM Constant Impedance Combiner

## 16 kW, 3 Pole

BAND II

10 year GUARANTEE

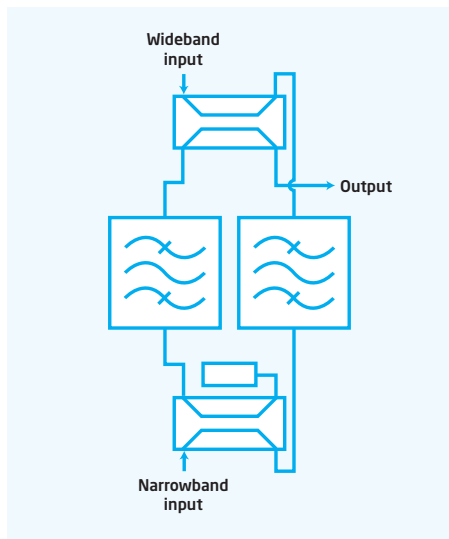
### PRODUCT FEATURES

- Flexible design
- Low insertion loss
- Retunable 87 - 108 MHz
- 10-year comprehensive warranty



### PRODUCT PROFILE

These balanced FM combiners employing broadband hybrids and FM tunable filters enable the combining of FM transmitters from 8 kW to 40 kW. Dry reject loads and a stackable frame design that allows broadcasters to make the best use of available floor space produce systems of world-beating flexibility and value.



Data in tables is typical. The combiner can be tuned for other specifications or bandwidths, please contact us for a specification designed for your requirements.

All average power values and technical data refer to an ambient temperature of + 20 °C with normal air flow. The product will have a maximum surface temperature of + 70 °C. Maximum power capacity may be lower depending on channel allocation.

ARTICLE	COM2-3BPF-AM00	
FREQUENCY	87 - 108 MHz	87 - 108 MHz
IMPEDANCE	50 Ohm	50 Ohm

NARROWBAND INPUT		
MAXIMUM INPUT POWER	16 kW	11 kW
INPUT VSWR	<1.07 (>30 dB)	<1.07 (>30 dB)
INPUT CONNECTOR	3 1/8" unflange	3 1/8" unflange
INSERTION LOSS		
Centre frequency	<0.24 dB	<0.33 dB
±200 kHz	<0.25 dB	<0.37 dB

WIDEBAND INPUT		
INPUT VSWR	<1.07 (>30 dB)	<1.07 (>30 dB)
INPUT CONNECTOR	3 1/8" unflange	3 1/8" unflange
INSERTION LOSS		
±1.0 MHz	<0.55 dB	<0.15 dB
±1.5 MHz	<0.15 dB	<0.07 dB
±3.0 MHz	<0.05 dB	<0.05 dB

ISOLATION AND CHANNEL SPACING		
NARROWBAND - WIDEBAND	>36 dB	>36 dB
WIDEBAND - NARROWBAND		
±1.0 MHz from narrowband Cf	>45 dB	>55 dB
±1.5 MHz from narrowband Cf	>55 dB	>65 dB
±3.0 MHz from narrowband Cf	>74 dB	>84 dB
MIN CHANNEL SPACING		
Lower spacing on request	1.5 MHz	1.0 MHz

OUTPUT		
MAXIMUM OUTPUT POWER	40 kW rms	40 kW rms
OUTPUT CONNECTOR	3 1/8" unflange	3 1/8" unflange

DIMENSIONS AND WEIGHT		
DIMENSIONS		
L x W x H	915 x 966 x 643 mm (36 x 38 x 25.3 in)	915 x 966 x 643 mm (36 x 38 x 25.3 in)
WEIGHT	~170 kg (375 lb)	~170 kg (375 lb)