

FM Constant Impedance Combiner

4 kW, 3 Cavities

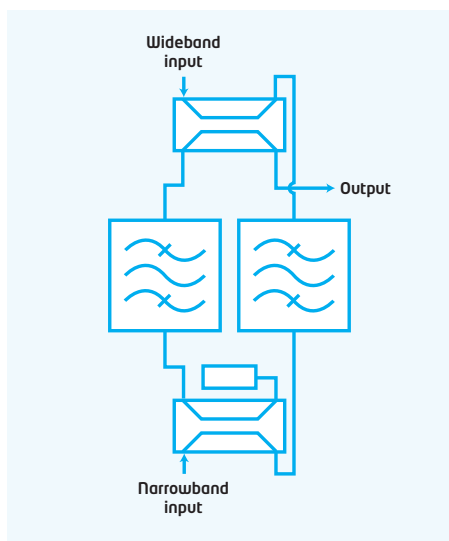


PRODUCT FEATURES

- 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 2,5 kW to 10 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.



ARTICLE	COM2-3BPF-A001	COM2-3BPF-A011
FREQUENCY	87 - 108 MHz	87 - 108 MHz
IMPEDANCE	50 Ohm	50 Ohm

NARROWBAND INPUT		
MAXIMUM INPUT POWER	4 kW	2,5 kW
INPUT VSWR	<1.07 (>30 dB)	<1.07 (>30 dB)
INPUT CONNECTOR	1 5/8, (EIA 7/8 flanged on request)	1 5/8, (EIA 7/8 flanged on request)
INSERTION LOSS		
Centre frequency	<0.4 dB	<1.0 dB
±200 kHz	<0.5 dB	<1.25 dB

WIDEBAND INPUT		
INPUT VSWR	<1.07 (>30 dB)	<1.07 (>30 dB)
INPUT CONNECTOR	1 5/8, (EIA 7/8 flanged or DIN 7/16 on request)	1 5/8, (EIA 7/8 flanged or DIN 7/16 on request)
INSERTION LOSS		
±1.0 MHz	–	<0.2 dB
±1.5 MHz	<0.4 dB	<0.1 dB
±3.0 MHz	<0.1 dB	<0.1 dB

ISOLATION		
NARROWBAND - WIDEBAND	>36 dB	>36 dB
WIDEBAND - NARROWBAND		
±1.0 MHz from narrowband Cf	–	>45 dB
±1.5 MHz from narrowband Cf	>40 dB	>55 dB
±3.0 MHz from narrowband Cf	>60 dB	>65 dB

MIN CHANNEL SPACING		
Lower spacing on request	1.5 MHz	1.0 MHz
MAXIMUM OUTPUT POWER	10 kW	10 kW
OUTPUT CONNECTOR	1 5/8, (EIA 7/8 flanged or DIN 7/16 on request)	1 5/8, (EIA 7/8 flanged or DIN 7/16 on request)
DIMENSIONS		
L x W x H	1005 x 410 x 535 mm (40 x 16 x 21 in)	1005 x 410 x 535 mm (40 x 16 x 21 in)
WEIGHT		
	~50 kg (110 lb)	~50 kg (110 lb)
	Temperature comp. Sharp tuned.	