

FM Constant Impedance Combiner

20 kW, 3 Cavities

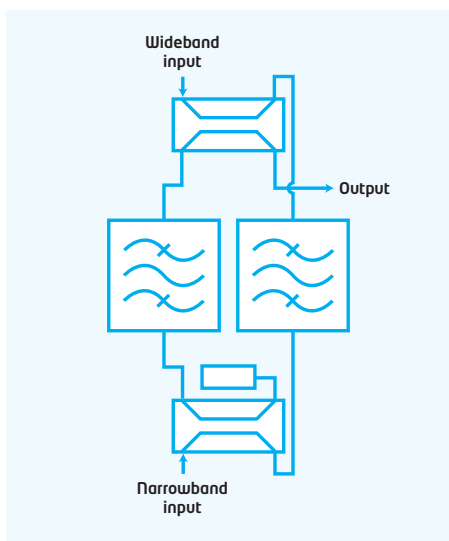


PRODUCT FEATURES

- Flexible modular design
- Low insertion loss
- Retunable

PRODUCT PROFILE

These balanced FM combiners employing broad-band hybrids and FM tunable filters enable the combining of FM transmitters from 16 kW to 60 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.



ARTICLE	COM2-3BPF-A004	COM2-3BPF-A014
FREQUENCY	87 - 108 MHz	87 - 108 MHz
IMPEDANCE	50 Ohm	50 Ohm

NARROWBAND INPUT		
MAXIMUM INPUT POWER	20 kW	16 kW
INPUT VSWR	<1.07 (>30 dB)	<1.07 (>30 dB)
INPUT CONNECTOR	EIA 3 1/8 unflanged	EIA 3 1/8 unflanged
INSERTION LOSS		
Centre frequency	<0.20 dB	<0.30 dB
±200 kHz	<0.30 dB	<0.50 dB

WIDEBAND INPUT		
INPUT VSWR	<1.07 (>30 dB)	<1.07 (>30 dB)
INPUT CONNECTOR	EIA 3 1/8 unflanged	EIA 3 1/8 unflanged
INSERTION LOSS		
±1.0 MHz	-	<0.20 dB
±1.5 MHz	<0.25 dB	<0.10 dB
±3.0 MHz	<0.10 dB	<0.10 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	60 kW	60 kW
OUTPUT CONNECTOR	EIA 3 1/8 unflanged	EIA 3 1/8 unflanged
DIMENSIONS		
L x W x H	1200 x 1006 x 1029 mm (47 x 37 x 41 in)	1200 x 1006 x 1029 mm (47 x 37 x 41 in)
WEIGHT	~300 kg (661 lb)	~300 kg (661 lb)
		Temperature comp. Sharp tuned.