

UHF Constant Impedance Combiner

5 kW rms, 4 Cavities

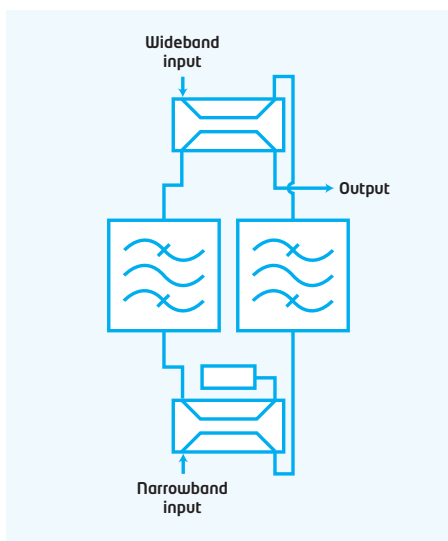
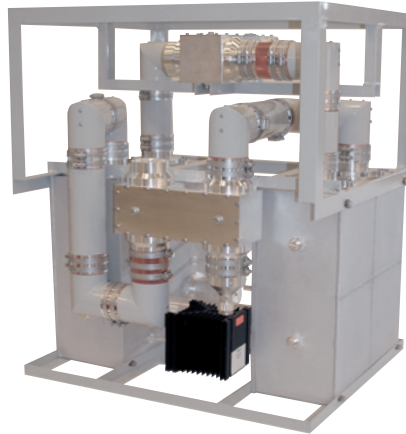


PRODUCT FEATURES

- Flexible modular design
- Extremely stable
- High isolation
- Low insertion loss
- Temperature compensated
- Retunable
- Adjustable bandwidth for 6, 7 or 8 MHz
- 10-year comprehensive warranty

PRODUCT PROFILE

The flexible 2.5 kW digital filter is now available in a 4-pole version. These combiners are among our most flexible RF systems. Multiple connector variations, UHF band tunability, temperature stability and many other quality features have made this unit popular with engineers and broadcasters.



ARTICLE	COM4-4BPF-AE00 / COM4-4BPF-AF00
FREQUENCY	470 - 860 MHz
IMPEDANCE	50 Ohm

NARROWBAND INPUT	
MAX INPUT POWER	5 kW rms
INPUT VSWR	<1.1 (>26 dB)
INPUT CONNECTOR	1 5/8" unflanged
INSERTION LOSS	
Centre frequency	<0.2 dB
±3.8 MHz	<0.25 dB
±4.2 MHz	>0.45 dB
±6.0 MHz	>6.5 dB
±12.0 MHz	>32 dB

WIDEBAND INPUT	
INPUT VSWR	<1.05 (32 dB), 2 specified channels
INPUT CONNECTOR	3 1/8" unflanged / RL 98, NAX 120
INSERTION LOSS	
±24 MHz	<0.05 dB
±16 MHz	<0.05 dB
±8 MHz	<0.2 dB

ISOLATION	
NARROWBAND - WIDEBAND	>36 dB
WIDEBAND - NARROWBAND	
±8 MHz from narrowband Cf	>60 dB
±24 MHz from narrowband Cf	>80 dB

MINIMUM CHANNEL SPACING	1 free channel
MAXIMUM OUTPUT POWER	12 kW rms/30 kW rms
OUTPUT CONNECTOR	3 1/8" unflanged / RL 98, NAX 120
DIMENSIONS	
L x W x H	716 x 595 x 797 mm (28.2 x 23.4 x 31.4 in)
WEIGHT	~110 kg (~242.5 lb)