

# VHF Constant Impedance Combiner

14 kW rms, 6 Cavities

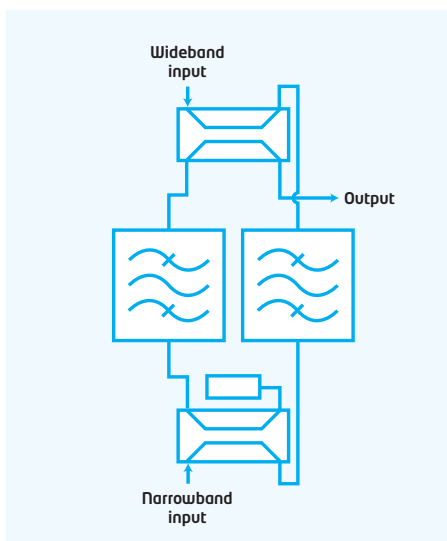
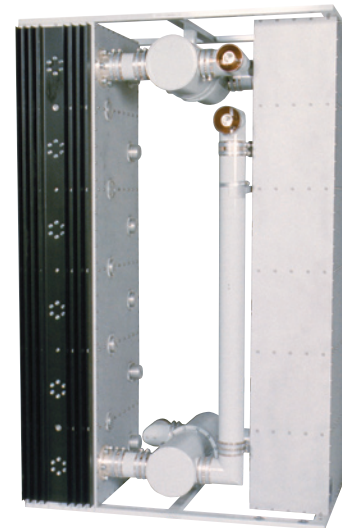


## PRODUCT FEATURES

- Flexible modular design
- High isolation
- Low insertion loss
- Dry absorbers
- Retunable
- Cost-effective solution
- 10-year comprehensive warranty

## PRODUCT PROFILE

This constant impedance combiner is built using Exir Broadcastings high performance, 7 kW bandpass filters, which provide exceptionally sharp filtering and contribute to the combiner's extremely stable operation. The combiner can be tuned to 6, 7 or 8 MHz bandwidth, and offers leading edge performance for multi-channel systems.



ARTICLE	COM3-6BPF-AJ00
<b>FREQUENCY</b>	174 - 240 MHz
<b>IMPEDANCE</b>	50 Ohm
<b>NARROWBAND INPUT</b>	
<b>MAX INPUT POWER</b>	14 kW rms
<b>INPUT VSWR</b>	<1.1 (>26 dB)
<b>INPUT CONNECTOR</b>	EIA 3 1/8" unflanged or flanged
<b>INSERTION LOSS</b>	
Centre frequency	<0.15 dB
±3.8 MHz	<0.3 dB
±4.2 MHz	>1.7 dB
±6.0MHz	>24 dB
±12.0 MHz	>63 dB
<b>WIDEBAND INPUT</b>	
<b>INPUT VSWR</b>	<1.05 (>32 dB), 2 specified channels
<b>INPUT CONNECTOR</b>	EIA 3 1/8" unflanged or flanged
<b>INSERTION LOSS</b>	
±24 MHz	0.05 dB
±16 MHz	0.05 dB
±8 MHz	0.1 dB
<b>ISOLATION</b>	
<b>NARROWBAND - WIDEBAND</b>	>36 dB
<b>WIDEBAND - NARROWBAND</b>	
±8 MHz from narrowband Cf	>60 dB
±24 MHz from narrowband Cf	>80 dB
<b>MINIMUM CHANNEL SPACING</b>	
	1 free channel
<b>MAXIMUM OUTPUT POWER</b>	
	30 kW rms
<b>OUTPUT CONNECTOR</b>	
	EIA 3 1/8" unflanged or flanged
<b>DIMENSIONS</b>	
	960 x 560 x 1509 mm (37.8 x 22.0 x 59.4 in)
<b>WEIGHT</b>	
	~200 kg (441 lb)