

VHF Constant Impedance Combiner

14 kW rms, 6 Pole

BAND III

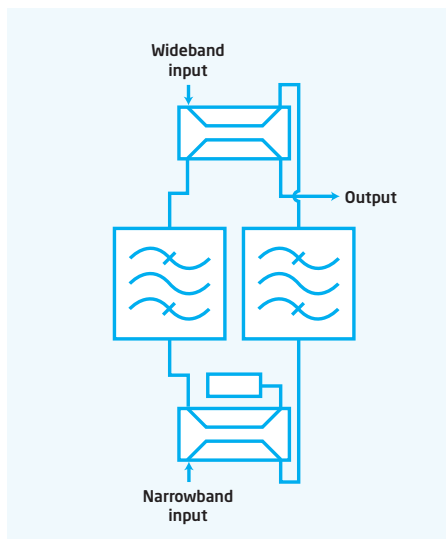
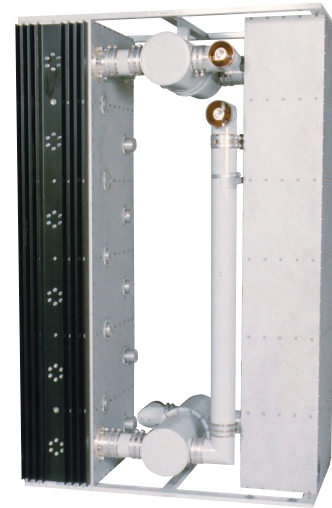
10 year GUARANTEE

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 Broadcasting's 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.



Data in table is typical according to a standard tuned 8 MHz channel bandwidth. 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 +20-25 °C with normal air flow. The product will have a maximum surface temperature of +60 °C. Maximum power capacity may be lower depending on channel allocation.

ARTICLE	COM3-6BPF-AJ00
FREQUENCY	174 - 240 MHz
IMPEDANCE	50 Ohm

NARROWBAND INPUT	
MAX INPUT POWER	14 kW rms
INPUT VSWR	<1.1 (>26 dB)
INPUT CONNECTOR	3 1/8" unflange
INSERTION LOSS	
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

WIDEBAND INPUT	
INPUT VSWR	<1.05 (>32 dB), 2 specified channels
INPUT CONNECTOR	3 1/8" unflange
INSERTION LOSS	
±24 MHz	0.05 dB
±16 MHz	0.05 dB
±8 MHz	0.1 dB

ISOLATION AND CHANNEL SPACING	
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

OUTPUT	
MAXIMUM OUTPUT POWER	30 kW rms
OUTPUT CONNECTOR	3 1/8" unflange

DIMENSIONS AND WEIGHT	
DIMENSIONS	
L x W x H	960 x 560 x 1509 mm (37.8 x 22.0 x 59.4 in)
WEIGHT	~200 kg (441 lb)