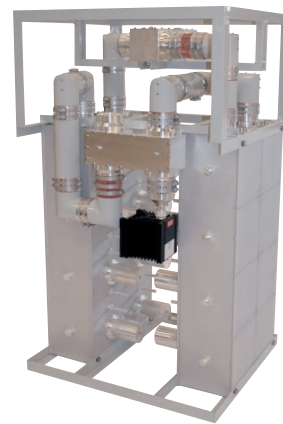


UHF Constant Impedance Combiner

5 kW rms, 8 Pole

BAND IV-V

10 year GUARANTEE



PRODUCT FEATURES

- Available with cross-coupling
- Suitable for adjacent channels
- Possible critical mask compliant (depending on tx & tuning)
- Temperature compensated
- Retunable
- Adjustable bandwidth for 6, 7 or 8 MHz
- 10-year comprehensive warranty

PRODUCT PROFILE

This constant impedance combiner is built using Exir Broadcastings space-saving filters designed for greater convenience. It can be tuned to 6, 7 or 8 MHz bandwidth, and offers leading edge performance for multi-channel systems by combining the best elements from various technologies. In addition, the eight Pole and cross-coupling make this combiner an ideal choice for use with adjacent channels.

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. The maximum output power is specified at 600 MHz.

* Maximum output power with optional output connector NAX120 unflange is 36 kW rms.

ARTICLE	COM4-8BPF-AD00	COM4-8BPF-AE00	
FREQUENCY	470 - 860 MHz	470 - 860 MHz	
IMPEDANCE	50 Ohm	50 Ohm	
NARROWBAND INPUT			
MAX INPUT POWER	5 kW rms	5 kW rms	
INPUT VSWR	<1.1 (>26 dB)	<1.1 (>26 dB)	
INPUT CONNECTOR	3 1/8" unflange	3 1/8" unflange	
INSERTION LOSS - COMMON FOR ALL			
	No cross-coupling	Single cross-coupling	Double cross-coupling
Centre frequency	<0.5 dB	<0.5 dB	<0.5 dB
±3.8 MHz	<1.4 dB	<1.4 dB	<1.5 dB
±4.2 MHz	>7.5 dB	>14 dB	>15 dB
±6.0 MHz	>43 dB	>33 dB	>50 dB
±12.0 MHz	>95 dB	>70 dB	>60 dB
WIDEBAND INPUT			
INPUT VSWR	<1.05 (>32 dB)	<1.05 (>32 dB)	
	2 specified channels	2 specified channels	
STANDARD INPUT CONNECTOR	3 1/8" unflange	RL98 unflange	
OPTIONAL INPUT CONNECTORS		NAX120 unflange	
INSERTION LOSS			
±24 MHz	<0.05 dB	<0.05 dB	
±16 MHz	<0.05 dB	<0.05 dB	
±8 MHz	<0.1 dB	<0.1 dB	
ISOLATION AND CHANNEL SPACING			
NARROWBAND - WIDEBAND	>36 dB	>36 dB	
WIDEBAND - NARROWBAND			
±8 MHz from narrowband Cf	>70 dB	>70 dB	
±24 MHz from narrowband Cf	>80 dB	>80 dB	
MINIMUM CHANNEL SPACING	Adjacent	Adjacent	
OUTPUT			
MAXIMUM OUTPUT POWER	15 kW rms	30 kW rms*	
STANDARD OUTPUT CONNECTOR	3 1/8" unflange	RL98 unflange	
OPTIONAL OUTPUT CONNECTORS		NAX120 unflange	
DIMENSIONS AND WEIGHT			
DIMENSIONS	716 x 595 x 1200 mm	716 x 595 x 1200 mm	
L x W x H	(28.2 x 23.4 x 47.3 in)	(28.2 x 23.4 x 47.3 in)	
WEIGHT	125 (275.6 lb)	130 kg (286.6 lb)	
		Equipped with high power/voltage output coupler	