

# UHF Constant Impedance Combiner

## 5 kW rms, 8 Cavities

BAND IV-V

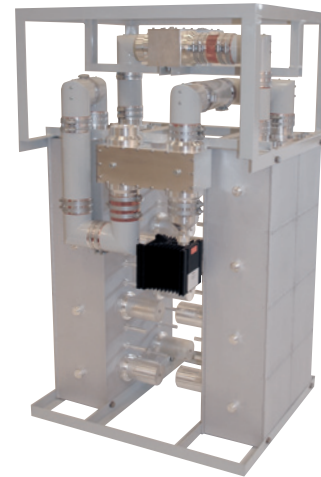
10 year GUARANTEE

### 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 cavities and cross-coupling make this combiner an ideal choice for use with adjacent channels.



<b>ARTICLE</b>	<b>COM4-8BPF-AD00 / COM4-8BPF-AE00</b>
<b>FREQUENCY</b>	470 - 860 MHz
<b>IMPEDANCE</b>	50 Ohm

NARROWBAND INPUT			
<b>MAX INPUT POWER</b>	5 kW rms		
<b>INPUT VSWR</b>	<1.1 (>26 dB)		
<b>INPUT CONNECTOR</b>	3 1/8" unflanged / RL98 unflanged		
<b>INSERTION LOSS</b>	<b>no Cross-coupling</b>	<b>Cross-coupling single</b>	<b>Cross-coupling double</b>
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	
<b>INPUT VSWR</b>	<1.05 (>32 dB) 2 specified channels
<b>INPUT CONNECTOR</b>	3 1/8" unflanged / RL98 unflanged, NAX 120
<b>INSERTION LOSS</b>	
±24 MHz	<0.05 dB
±16 MHz	<0.05 dB
±8 MHz	<0.1 dB

ISOLATION	
<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>	Adjacent
<b>MAXIMUM OUTPUT POWER</b>	12 kW rms / 30 kW rms
<b>OUTPUT CONNECTOR</b>	3 1/8" unflanged / RL98 unflanged, NAX 120
<b>DIMENSIONS</b>	716 x 595 x 1200 mm (28.2 x 23.4 x 47.3 in)
<b>WEIGHT</b>	125 / 130 kg (275.6 / 286.6 lb)

