

UHF Constant Impedance Combiner

3 kW rms, 8 Cavities

BAND IV-V

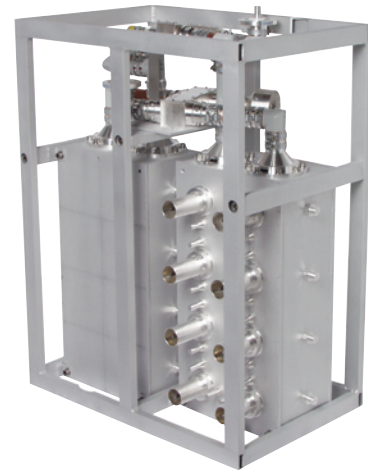
10 year GUARANTEE

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 exceptionally small in relation to output power, and can be conveniently mounted in a 19" rack. The 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 make this combiner an ideal choice for use with adjacent channels.



ARTICLE	COM4-8BPF-AA00 / COM4-8BPF-AB00
FREQUENCY	470 - 860 MHz
IMPEDANCE	50 Ohm

NARROWBAND INPUT			
MAX INPUT POWER	3 kW rms		
INPUT VSWR	<1.1 (>26 dB)		
INPUT CONNECTOR	1 5/8" unflanged		
INSERTION LOSS	No Cross-coupling	Cross-coupling single	Cross-coupling double
Centre frequency	<0.6 dB	<0.55 dB	<0.55 dB
±3.8 MHz	<1.7 dB	<1.7 dB	<1.8 dB
±4.2 MHz	>7.5 dB	>14 dB	>16 dB
±6.0 MHz	>43 dB	>34 dB	>52 dB
±12.0 MHz	>95 dB	>70 dB	>60 dB

WIDEBAND INPUT	
INPUT VSWR	<1.05 (>32 dB), 2 specified channels
INPUT CONNECTOR	1 5/8" unflanged / 3 1/8" unflanged
INSERTION LOSS	
±24 MHz	<0.05 dB
±16 MHz	<0.05 dB
±8 MHz	<0.1 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	Adjacent channel
MAXIMUM OUTPUT POWER	5 kW rms / 12 kW rms
OUTPUT CONNECTOR	1 5/8" unflanged / 3 1/8" unflanged
DIMENSIONS	676 x 445 x 895 mm (26.6 x 17.5 x 35.3 in)
WEIGHT	~110 kg (~242.5 lb)

