

UHF Constant Impedance Combiner

3 kW rms, 6 Cavities

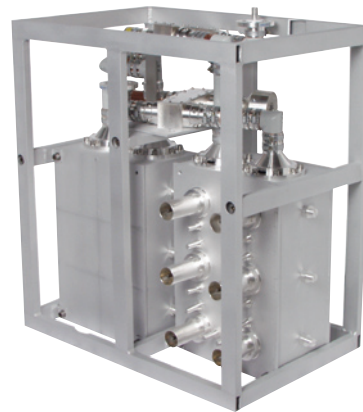


PRODUCT FEATURES

- Available with cross-coupling
- Flexible modular design
- Extremely stable
- High isolation
- Low insertion loss
- 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.



ARTICLE		COM4-6BPF-AK00/COM4-6BPF-AL00		
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	Single cross-coupling	Double cross-coupling	
Centre frequency	<0.4 dB	<0.4 dB	<0.35 dB	
±3.8 MHz	<0.8 dB	<1.1 dB	<1.7 dB	
±4.2 MHz	>2.0 dB	>6.0 dB	>15 dB	
±6.0 MHz	>24 dB	>22 dB	>30 dB	
±12.0 MHz	>64 dB	>42 dB	>32 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	>55 dB	>50 dB	
±24 MHz from narrowband Cf	>80 dB	>70 dB	>60 dB	
MINIMUM CHANNEL SPACING	1 free channel	Adjacent	Adjacent	
MAXIMUM OUTPUT POWER	5 kW rms/12 kW rms			
OUTPUT CONNECTOR	1 5/8" unflanged/3 1/8" unflanged			
DIMENSIONS	676 x 445 x 750 mm (26.6 x 17.5 x 29.5 in)			
WEIGHT	~90 kg (~198 lb)			