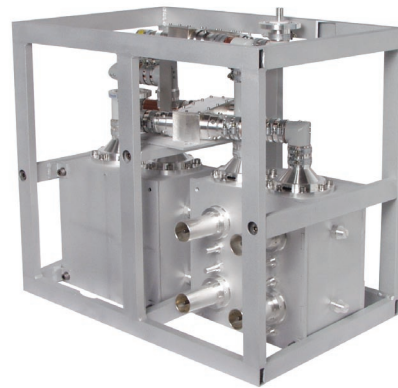


UHF Constant Impedance Combiner

3.4 kW rms, 4 Pole

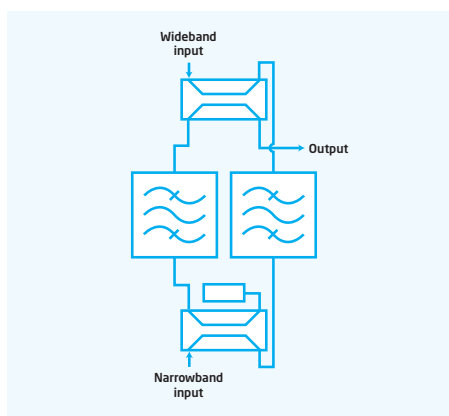


PRODUCT FEATURES

- 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

The flexible 3 kW digital combiner is now available in a 4 Pole version. These combiners are among our most flexible RF systems. Multiple connector variations, UHF band tunability, temperature stability and many other quality features have made this unit popular with engineers and broadcasters.



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.

ARTICLE	COM4-4BPF-AC00	COM4-4BPF-AD00
FREQUENCY	470 - 860 MHz	470 - 860 MHz
IMPEDANCE	50 Ohm	50 Ohm

NARROWBAND INPUT		
MAX INPUT POWER	3.4 kW rms	3.4 kW rms
INPUT VSWR	<1.1 (>26 dB)	<1.1 (>26 dB)
INPUT CONNECTOR	1 5/8" unflange	1 5/8" unflange
INSERTION LOSS		
Centre frequency	<0.25 dB	<0.25 dB
±3.8 MHz	<0.3 dB	<0.3 dB
±4.2 MHz	>0.5 dB	>0.5 dB
±6.0 MHz	>6.5 dB	>6.5 dB
±12.0 MHz	>32 dB	>32 dB

WIDEBAND INPUT		
INPUT VSWR	<1.05 (>32 dB), 2 specified channels	<1.05 (>32 dB), 2 specified channels
INPUT CONNECTOR	1 5/8" unflange	3 1/8" unflange
INSERTION LOSS		
±24 MHz	<0.05 dB	<0.05 dB
±16 MHz	<0.05 dB	<0.05 dB
±8 MHz	<0.2 dB	<0.2 dB

ISOLATION AND CHANNEL SPACING		
NARROWBAND - WIDEBAND	>36 dB	>36 dB
WIDEBAND - NARROWBAND		
±16 MHz from narrowband Cf	>60 dB	>60 dB
±24 MHz from narrowband Cf	>70 dB	>70 dB
MINIMUM CHANNEL SPACING	1 free channel	1 free channel

OUTPUT		
MAXIMUM OUTPUT POWER	6 kW rms	15 kW rms
OUTPUT CONNECTOR	1 5/8" unflange	3 1/8" unflange

DIMENSIONS AND WEIGHT		
DIMENSIONS		
L x W x H	676 x 445 x 610 mm (26.6 x 17.5 x 24 in)	676 x 445 x 610 mm (26.6 x 17.5 x 24 in)
WEIGHT	~76 kg (~167.5 lb)	~76 kg (~167.5 lb)