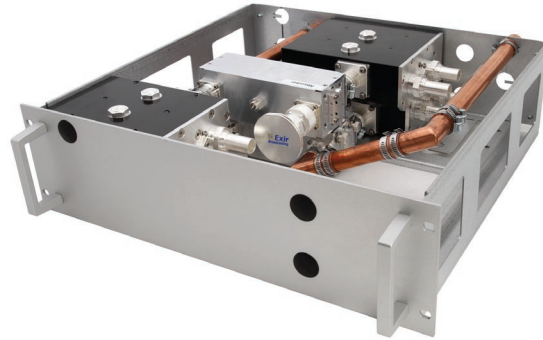


UHF Constant Impedance Combiner

500 W rms, 4 Pole

BAND IV-V

10
year
GUARANTEE



PRODUCT FEATURES

- Flexible and compact
- 19" rack-mountable
- High isolation
- Temperature compensation
- Retunable
- Adjustable bandwidth for 6, 7 or 8 MHz
- 10-year comprehensive warranty

PRODUCT PROFILE

This low-power combiner provides exceptional performance and system flexibility. Full UHF tuning 470-860 MHz with 6, 7 and 8 MHz bandwidth, without requiring any replacement of parts. The filter ensures excellent results in bandpass and channel combining applications. The combiner is small and built for mounting in a 19" rack.

Below data 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-AH00
FREQUENCY	470 - 860 MHz
IMPEDANCE	50 Ohm

NARROWBAND INPUT	
MAX INPUT POWER	500 W rms
INPUT VSWR	<1.1 (>26 dB)
INPUT CONNECTOR	7/8" unflange
INSERTION LOSS	
Centre frequency	<0.5 dB
±3.8 MHz	<0.7 dB
±4.2 MHz	>1 dB
±6.0 MHz	>7 dB
±12.0 MHz	>32 dB

WIDEBAND INPUT	
INPUT VSWR	<1.07 (>30 dB), 2 specified channels
INPUT CONNECTOR	7/8" unflange
INSERTION LOSS	
±24 MHz	<0.1 dB
±16 MHz	<0.15 dB
±8 MHz	<0.35 dB

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

OUTPUT	
MAXIMUM OUTPUT POWER	1.8 kW rms
OUTPUT CONNECTOR	7/8" unflange

DIMENSIONS AND WEIGHT	
DIMENSIONS	
L x W x H	483 x 435 x 133 mm (19 x 17 x 5 in)
WEIGHT	15 kg (33 lb)
OTHER	Black painted filters