

# UHF Manifold Combiner

50 W rms, with 3 and 4 Pole filters

BAND IV-V

10 year GUARANTEE



COM4-MAN10-AA00 with 3 Pole filter

## PRODUCT FEATURES

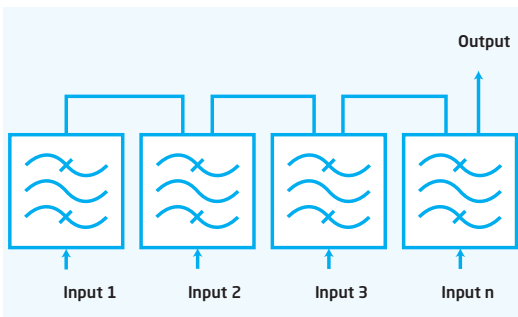
- Very cost efficient
- Small size
- UHF band tunable
- Flexible and compact
- 6, 7 and 8 MHz channel bandwidth tunable
- Possible to fit in 19"

## PRODUCT PROFILE

Exir Broadcasting Manifold combiners are very dependable and provide a cost-effective alternative for combining without couplers.

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.



TYPICAL DATA	BPF4-3C04-AB00	BPF4-4C04-AB00
	<b>3 POLE</b>	<b>4 POLE</b>
FREQUENCY	470 - 860 MHz	470 - 860 MHz
IMPEDANCE	50 Ohm	50 Ohm

NARROWBAND INPUT		
MAX INPUT POWER	50 W rms	50 W rms
INPUT VSWR	<1.1 (>26 dB)	<1.1 (>26 dB)
INPUT CONNECTOR	N female	N female
INSERTION LOSS		
Centre frequency	<0.75 dB	<1.0 dB
± 3.8 MHz	<0.85 dB	<1.2 dB
± 4.2 MHz	>0.95 dB	<1.3 dB
± 6.0 MHz	>1.2 dB	<3.4 dB
± 12.0 MHz	>10.0 dB	<25.0 dB
± 20.0 MHz	>20.0 dB	<35.0 dB

ISOLATION		
Ch. spacing 1 free ch.		>30 dB
Ch. spacing 2 free ch.	>30 dB	>36 dB
>3 free ch	>36 dB	>40 dB

MINIMUM CHANNEL SPACING	2 free channels	1 free channel
MAXIMUM NO OF CHANNEL	6 (more on request)	6 (more on request)
MAXIMUM OUTPUT POWER	480 W rms	480 W rms
OUTPUT CONNECTOR	N female	N female

## DIMENSIONS AND WEIGHT

ARTICLE	COM4-MAN2-AA00	COM4-MAN4-AA00	COM4-MAN5-AA00	COM4-MAN10-AA00
HEIGHT	1U	2U	3U	3U
DEPTH	<400 mm	<400 mm	<400 mm	<400 mm
WIDTH	19"	19"	19"	19"
MAX NUMBER OF FILTERS	2	4	5	10
WEIGHT PER FILTER	~1,3	~1,3	~1,3	~1,3