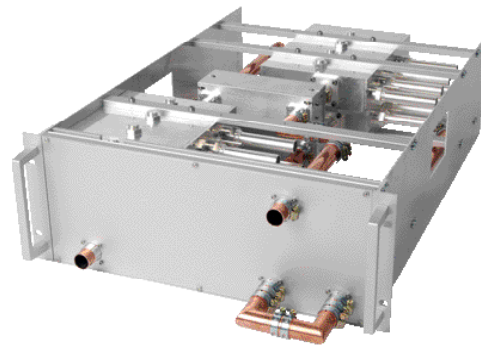


UHF Constant Impedance Combiner

500 W rms, 8 Pole

BAND IV-V

10 year GUARANTEE



PRODUCT FEATURES

- Flexible and compact
- 19" rack-mountable
- High isolation
- Temperature compensation on request
- Retunable
- 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	COM4-8BPF-AN00	COM4-8BPF-AN01
FREQUENCY	470 - 860 MHz	470 - 860 MHz
IMPEDANCE	50 Ohm	50 Ohm

NARROWBAND INPUT		
MAX INPUT POWER	500 W rms	500 W rms
INPUT VSWR	<1.1 (>26 dB)	<1.1 (>26 dB)
INPUT CONNECTOR	7/8" unflange	7/8" unflange
INSERTION LOSS		Cross-coupling
Centre frequency	<1.5 dB	<1.4 dB
±3.8 MHz	<2.7 dB	<3.9 dB
±4.2 MHz	>4.2 dB	>14 dB
±6.0 MHz	>36 dB	>32 dB
±12.0 MHz	>90 dB	>65 dB

WIDEBAND INPUT		
INPUT VSWR	<1.07 (>30 dB), 2 specified channels	<1.07 (>30 dB), 2 specified channels
INPUT CONNECTOR	7/8" unflange	7/8" unflange
INSERTION LOSS		
±24 MHz	<0.1 dB	<0.1 dB
±16 MHz	<0.1 dB	<0.1 dB
±8 MHz	<0.2 dB	<0.2 dB

ISOLATION AND CHANNEL SPACING		
NARROWBAND - WIDEBAND	>36 dB	>36 dB
WIDEBAND - NARROWBAND		
±8 MHz from narrowband Cf	>70 dB	>70 dB
±24 MHz from narrowband Cf	>80 dB	>80 dB
MINIMUM CHANNEL SPACING	Adjacent	Adjacent

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

DIMENSIONS AND WEIGHT		
DIMENSIONS	483 x 647 x 133 mm	483 x 647 x 133 mm
L x W x H	(19 x 25 x 5 in)	(19 x 25 x 5 in)
WEIGHT	20 kg (44 lb)	20 kg (44 lb)
OTHER	Black painted filters	Black painted filters