

# UHF Constant Impedance Combiner

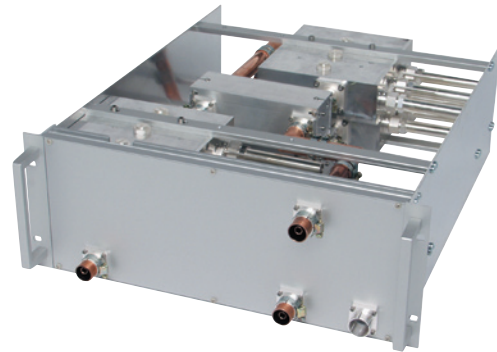
## 400 and 500 W rms, 6 Cavities

BAND IV-V

10 year GUARANTEE

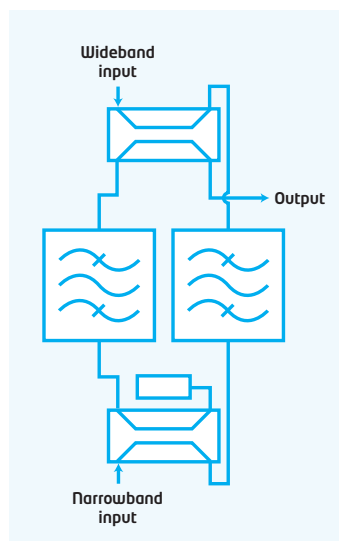
### PRODUCT FEATURES

- Flexible and compact
- 19" rack-mountable
- High isolation
- Available with Cross-coupling
- 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. Also available with black finish for handling up to 500 W of input power.



ARTICLE	COM4-6BPF-AA00 / COM4-6BPF-AB00	COM4-6BPF-AA01 / COM4-6BPF-AB01 with Cross-coupling
<b>FREQUENCY</b>	470 - 860 MHz	470 - 860 MHz
<b>IMPEDANCE</b>	50 Ohm	50 Ohm
<b>NARROWBAND INPUT</b>		
<b>MAX INPUT POWER</b>	400 / 500 W rms	400 / 500 W rms
<b>INPUT VSWR</b>	<1.1 (>26 dB)	<1.1 (>26 dB)
<b>INPUT CONNECTOR</b>	7/8" RL unflanged	7/8" RL unflanged
<b>INSERTION LOSS</b>		
Centre frequency	<1.0 dB	<1.2 dB
±3.8 MHz	<1.6 dB	<2.3 dB
±4.2 MHz	>3.0 dB	>6.0 dB
±6.0 MHz	>25 dB	>21 dB
±12.0 MHz	>65 dB	>30 dB
<b>WIDEBAND INPUT</b>		
<b>INPUT VSWR</b>	<1.07 (>30 dB), 2 specified channels	<1.07 (>30 dB), 2 specified channels
<b>INPUT CONNECTOR</b>	7/8" RL unflanged	7/8" RL unflanged
<b>INSERTION LOSS</b>		
±24 MHz	0,1 dB	<0.1 dB
±16 MHz	<0.15 dB	<0.15 dB
±8 MHz	<0.3 dB	<0.3 dB
<b>ISOLATION</b>		
<b>NARROWBAND - WIDEBAND</b>		>36 dB
<b>WIDEBAND - NARROWBAND</b>		>36 dB
±8 MHz from narrowband Cf	>60 dB	>50 dB
±24 MHz from narrowband Cf	>70 dB	>70 dB
<b>MINIMUM CHANNEL SPACING</b>		Adjacent
<b>MAXIMUM OUTPUT POWER</b>		1.5 kW rms
<b>OUTPUT CONNECTOR</b>		7/8" RL unflanged
<b>DIMENSIONS</b>		550 x 480 x 177 mm (21.5 x 19 x 4.6 in)
<b>WEIGHT</b>		17 kg (37.5 lb)