

# UHF Constant Impedance Combiner

BAND IV-V

10 year GUARANTEE

## Dual Digital 2x5 kW rms, 6 Cavities

### PRODUCT FEATURES

- Available with cross-coupling
- Compact design
- 6 port U-link with splitter included
- Combiner and mask filtering in the same unit
- Low insertion loss
- Filter for critical mask
- Temperature compensated
- Retunable
- Adjustable bandwidth for 6, 7 or 8 MHz
- 10-year comprehensive warranty

### PRODUCT PROFILE

This dual combiner is ideal for stations with two antenna halves, a method often used to allow broadcasting to continue over one antenna half while the other is being serviced. The combiner modules are among our most flexible RF systems, featuring multiple connector variations, UHF band tunability, temperature stability and more. The dual combiner comes complete with a 6-port patch panel with splitter for easy rerouting of the signal flow. In addition, it is built on a sturdy frame that enables several units to be connected together in a simple and space-saving manner.



<b>ARTICLE</b>	<b>COM4-6BPF-AJ00</b>		
<b>FREQUENCY</b>	470 - 860 MHz		
<b>IMPEDANCE</b>	50 Ohm		
<b>NARROWBAND INPUT</b>			
<b>MAXIMUM INPUT POWER / INPUT</b>	10 kW rms		
<b>INPUT VSWR</b>	<1.1 (>26 dB)		
<b>INPUT CONNECTOR</b>	3 1/8" unflanged		
<b>INSERTION LOSS</b>	<b>No cross-coupling</b>	<b>Cross-coupling single</b>	<b>Cross-coupling double</b>
Centre frequency	<0.35 dB	<0.35 dB	<0.35 dB
±3.8 MHz	<0.65 dB	<1.0 dB	<1.4 dB
±4.2 MHz	>2 dB	>6 dB	>15 dB
±6.0 MHz	>24 dB	>22 dB	>30 dB
±12.0 MHz	<64 dB	<44 dB	<32 dB
<b>WIDEBAND INPUT</b>			
<b>INPUT VSWR</b>	<1.05 (>32 dB), 2 specified channels		
<b>INPUT CONNECTOR</b>	3 1/8" unflanged		
<b>INSERTION LOSS</b>			
±24 MHz	<0.05 dB		
±16 MHz	<0.05 dB		
±8 MHz	<0.1 dB		
<b>ISOLATION</b>			
<b>NARROWBAND - WIDEBAND</b>	>36 dB		
<b>WIDEBAND - NARROWBAND</b>			
±8 MHz from narrowband Cf	<60 dB	<55 dB	<50 dB
±24 MHz from narrowband Cf	<80 dB	<70 dB	<60 dB
<b>MINIMUM CHANNEL SPACING</b>	1 free channel	Adjacent	Adjacent
<b>MAXIMUM OUTPUT POWER</b>	2 x 12 kW rms		
<b>OUTPUT CONNECTOR</b>	3 1/8" unflanged		
<b>DIMENSIONS</b>	1620 x 1060 x 1200 mm		
L x W x H	(64 x 42 x 47 in)		
<b>WEIGHT</b>	~400 kg (~882 lb)		