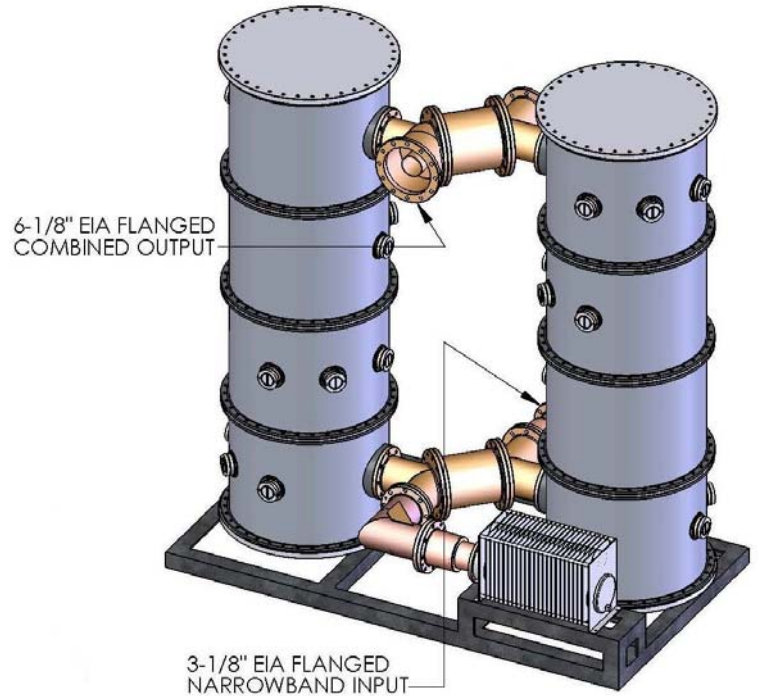




## UHF Mask Filter / Combiner

JAMPRO RF Systems' UHF Constant Impedance DVB-T/T2, ISDB-T, DTV Mask Filter / Combing Module provides outstanding performance in a compact design. The RCCW-6E1-AUM combiner module employs low loss Cylindrical Waveguide bandpass filters and broadband Coaxial 3-dB couplers. This combination provides excellent results in the bandpass and channel combing application, as well as providing mask filtering. Each unit is electrically and mechanically performance tested to ensure strict adherence to Jampro's superior level of quality. The combiner is designed for application where size concerns are a premium along with high power.

- **UHF 470-860 MHz**
- **Up to 20.0kW average per Channel**
- **Higher powers available**
- **Rugged High Quality Design**
- **Constant Impedance (Balance Type)**
- **Integrated DTV Mask Filtering**



### TYPICAL SPECIFICATIONS

Frequency Range	470-860 MHz		
Channel Spacing	Adjacent, 0 channel minimum		
Filter Type	8 poles / cavities, coaxial		
VSWR	<1.10:1		
Channel Bandwidth	6 MHz		8 MHz
Insertion Loss	(ATSC)	(ISDB-T)	(DVB-T2)
Narrowband (NB)	$f_0 < 0.3 \text{ dB}$	$f_0 < 0.35 \text{ dB}$	$f_0 < 0.25 \text{ dB}$
NB Pass Bandwidth	$f_0 \pm 2.69 \text{ MHz} < 0.8 \text{ dB}$	$f_0 \pm 2.79 \text{ MHz} < 1.1 \text{ dB}$	$f_0 \pm 3.885 < 0.9 \text{ dB}$
NB Rejection Mask	$f_0 \pm 3.50 \text{ MHz} > 15 \text{ dB}$	$f_0 \pm 3.15 \text{ MHz} > 14 \text{ dB}$	$f_0 \pm 4.200 > 12 \text{ dB}$
	$f_0 \pm 4.00 \text{ MHz} > 33 \text{ dB}$	$f_0 \pm 4.50 \text{ MHz} > 31 \text{ dB}$	$f_0 \pm 6.000 > 35 \text{ dB}$
	$f_0 \pm 9.00 \text{ MHz} > 65 \text{ dB}$	$f_0 \pm 9.00 \text{ MHz} > 60 \text{ dB}$	$f_0 \pm 12.000 > 65 \text{ dB}$
Wideband (WB)	< 0.1 dB	< 0.1 dB	< 0.1 dB
Isolation			
NB to WB		> 32 dB	
WB to NB		> 50 dB	
Power			
NB Input		$\leq 20.0 \text{ kW Avg}$	
WB Input		$\leq 40.0 \text{ kW Avg}$	
Output		$\leq 60.0 \text{ kW Avg}$	
Connectors			
Inputs	3-1/8" EIA (*other sizes available)		
Output	6-1/8" EIA (*other sizes available)		
Dimensions	40" x 60" x 80" (1015mm x 1525mm x 2030mm)		
Weight	$\approx 1000 \text{ lbs (455kgs)}$		