

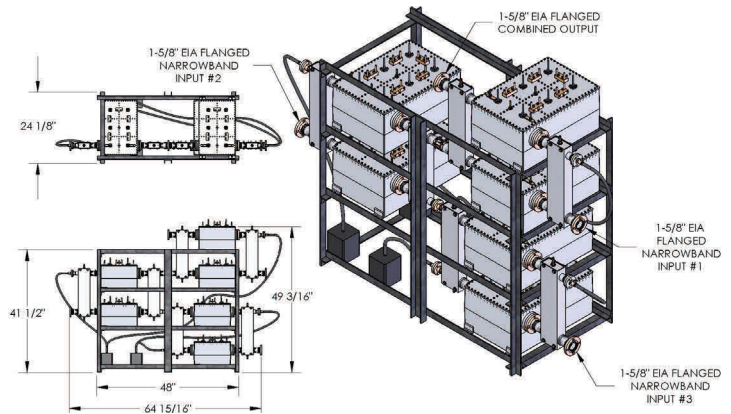


UHF "Origin" Series

CONSTANT IMPEDANCE COMBINER

JAMPRO Antennas' 5 kW per Channel UHF Origin Series Constant Impedance Combining Systems provide outstanding performance in a compact unitized design. Standard units come in single channel modules which can be cascaded for multiple channel configurations.

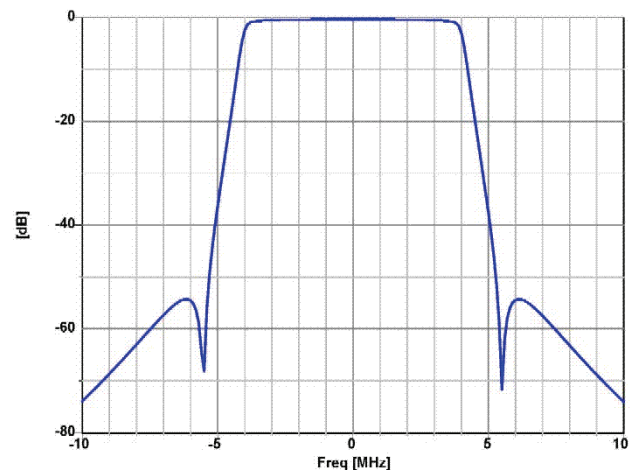
Depending on your needs filtering options are available to accommodate Mask and Non-Mask requirements for both the ATSC and DVB-T Standards. To ensure an optimal level of performance all design and manufacture of Origin series combiners is accomplished at Jampro's main facility employing state of the art modeling and fabrication techniques.



RCCC-203-1U Typical Layout

TYPICAL SPECIFICATIONS

Frequency of Operation	470 – 860 MHz
Maximum Output Power	20 kW RMS
Maximum Input Power	
Narrowband	5 kW RMS
Wideband	15 kW
Impedance	50 ohm
VSWR	
Wideband input	<1.12
Narrowband input	<1.12
INSERTION LOSS, NARROWBAND	(mask compliant)
Center frequency	< 0.45 dB
± 3.8 MHz	< 1.05 dB
± 4.2 MHz	> 4 dB
± 5.0 MHz	> 20 dB
± 8.0 MHz	> 35 Db
INSERTION LOSS, NARROWBAND	(non-mask compliant)
Contact factory	
INSERTION LOSS, WIDEBAND	
(From narrowband center frequency)	
> Fc of Combined Channel.	<0.10 dB
ISOLATION PER MODULE	
Wideband to narrowband	
Non-Adjacent channel	>50 dB
Adjacent Channel	Contact Factory
Narrowband > wideband	>30 dB
CONNECTORS	
Input	7/8" or 1-5/8"
Output	tbd



Typical Mask