

**CT5453F-R-3** Combiner, cavity-ferrite, 5 channel, open cabinet, 406-440 MHz

- 5 channel combiner featuring 3/4 wavelength 10" cavities
- Minimum Tx-Tx separation of 0.075 MHz
- Low loss broad band dual stage isolators
- Equipment is mounted in a Sinclair Open Frame Rack which is included

The 'CTx453F-R-y' series of open frame rack cavity-ferrite transmitter combiners is available in 2 to 8 channel configurations. Each channel on these combiners includes a broad band low-loss dual-stage isolator and Sinclair-developed High 'Q' bandpass cavity filter. All models include the Sinclair Open Frame Rack (quantity of racks depends on number of channels. 1-4 channels includes 1 rack, 5-8 channels includes 2 racks).

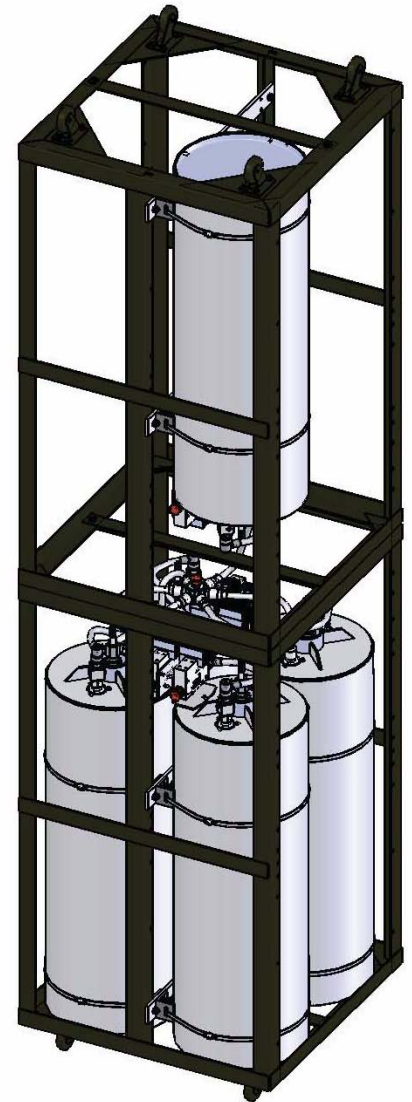
The model naming convention is described below:

x= Number of channels:

x=2	2 channels
x=3	3 channels
x=4	4 channels
x=5	5 channels
x=6	6 channels
x=7	7 channels
x=8	8 channels

y= Sub-Band:

y=3	406-440 MHz
y=4	430-470 MHz
y=5	459-512 MHz



Region	United States	Europe, Middle East and Africa	Caribbean and Latin America	Canada and rest of the world
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### Electrical Specifications

Frequency Range	MHz	406 to 440
Input VSWR (max)		1.25:1
Maximum Input Power (per channel)	W	150
Input Connectors		N-Female
Output Connectors		N-Female
Frequency Separation (min)		0.075 MHz
Isolation Tx to Tx	dB	60
Isolation antenna to Tx	dB	50
Output VSWR		2:1
Cavity electrical length		3/4
Number of channels		5

### Notes

\*1 : when cabinets are stacked

### Mechanical Specifications

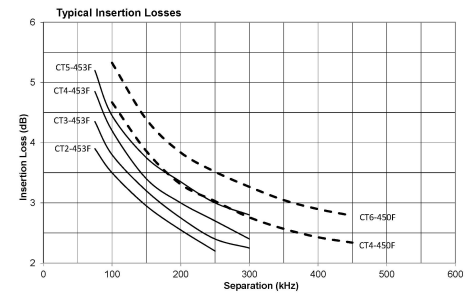
Width	in (mm)	21 (533)
Depth	in (mm)	21 (533)
Length/ Height	in (mm)	76 (1930) *1
Weight	lbs (kg)	149 (67.65)

### Ordering Information

Specify one Tx frequency per channel

### Environmental Specifications

Temperature range	°F (°C)	-22 to +140 (-30 to +60)
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