

CT2453F-R-4 Combiner, cavity-ferrite, 2 channel, open cabinet, 430-470 MHz

- 2 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).

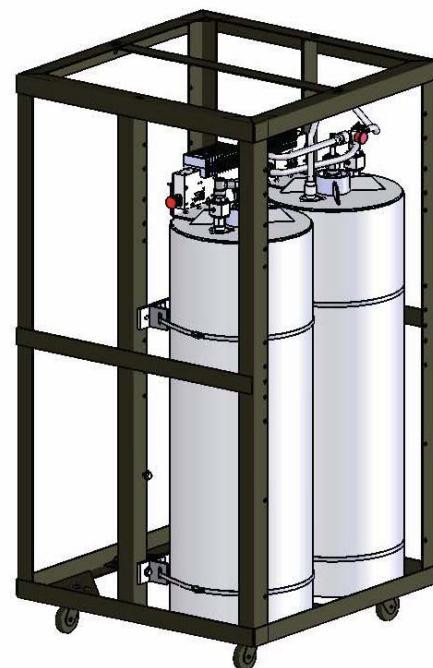
The model naming convention is described below:

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



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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	430 to 470
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		2

Mechanical Specifications

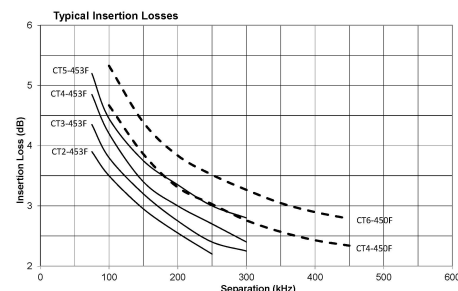
Width	mm (in)	533 (21)
Depth	mm (in)	533 (21)
Length/ Height	mm (in)	965 (38)
Weight	kg (lbs)	21.34 (47)

Environmental Specifications

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

Specify one Tx frequency per channel



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Product Specification Sheet		CT2453F-R-4	Issue: 4	Dated: 22-02-17
EPR 018644				Dated: 27-04-15
Customer Tech Manual 006282				