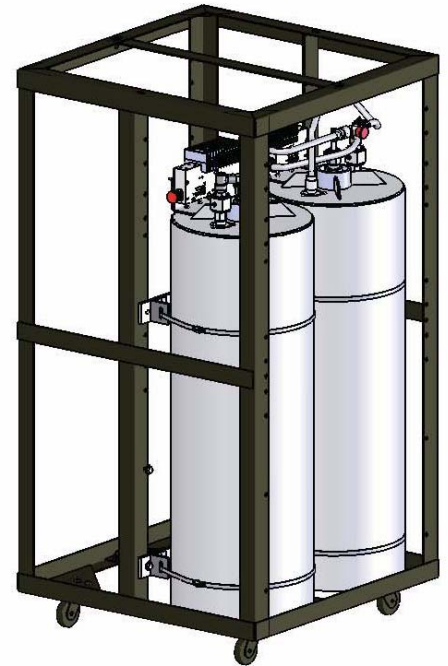


CT2453F Combiner, cavity-ferrite, open cabinet, 2 channels, 406-512 MHz

- Minimum Tx-Tx separation of 0.075 MHz
- Low loss dual stage isolators
- Equipment is mounted in a Sinclair Open Frame Rack which is included

The 'CTx453F' series of open frame rack cavity-ferrite transmitter combiners is available in 2 to 8 channel configurations. Each channel on these combiners includes a low-loss dual-stage isolator and Sinclair-developed High 'Q' 3/4 wave 10" 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).



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Region	United States	Europe, Middle East, and Africa	Canada, Caribbean, and Latin America	Asia-Pacific
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Product Specification Sheet  
EPR 017050

CT2453F

Issue: 2

Dated: 21-01-21  
Dated: 31-05-13

### Electrical Specifications

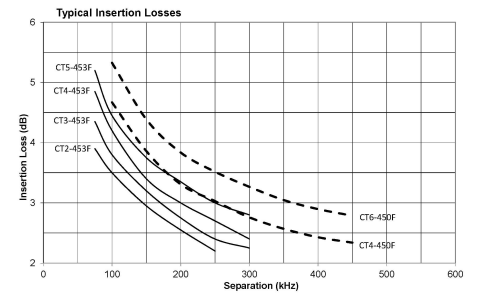
Frequency Range	MHz	406 to 512
Number of channels		2
Input Connectors		N-Female
Output Connectors		N-Female
Input VSWR (max)		1.25:1
Output VSWR		2:1
Maximum Input Power (per channel)	W	125
Frequency Separation (min)		0.075 MHz
Isolation Tx to Tx	dB	70
Isolation antenna to Tx	dB	60
Cavity electrical length		3/4

### Mechanical Specifications

Width	in (mm)	21 (533)
Depth	in (mm)	21 (533)
Length/ Height	in (mm)	38 (965)
Weight	lbs (kg)	103 (46.76)
Shipping dimensions	in (mm)	22x22x43 (559x559x1092)

### Environmental Specifications

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