

CT6453F Combiner, cavity-ferrite, open cabinet, 6 channel, 406-512 MHz

- Minimum Tx-Tx separation of 0.075 MHz
- Low loss dual stage isolators
- Equipment is mounted in two Sinclair Open Frame Racks which are 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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### Electrical Specifications

Frequency Range	MHz	406 to 512
Input VSWR (max)		1.25:1
Maximum Input Power (per channel)	W	125
Input Connectors		N-Female
Output Connectors		N-Female
Frequency separation (min)	MHz	0.08
Isolation Tx to Tx	dB	70
Isolation antenna to Tx	dB	60
Output VSWR		2:1
Cavity electrical length		3/4
Number of channels		6

### Notes

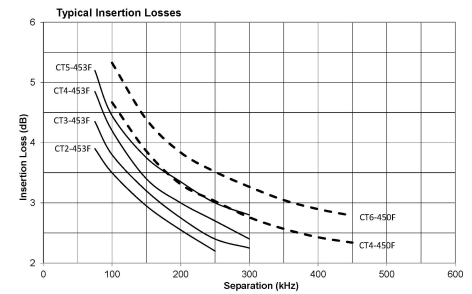
\*1 : Qty 2 boxes

### Mechanical Specifications

Depth	in (mm)	21 (533)
Length/ Height	in (mm)	76 (1930)
Width	in (mm)	21 (533)
Outer Conductor Material		aluminum
Weight	lbs (kg)	206 (93.52)
Shipping dimensions	in (mm)	22x22x43 (559x559x1092) *1

### Environmental Specifications

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