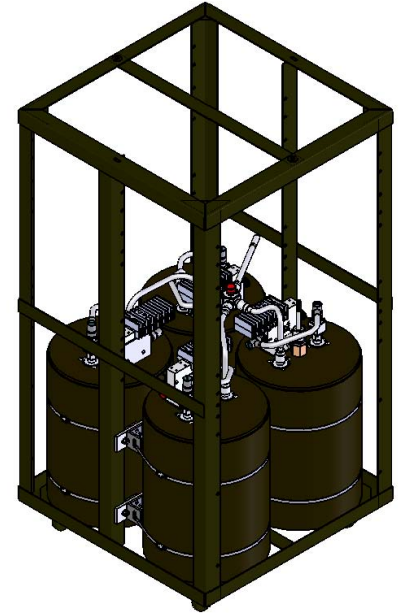


**CT4450F-R-5** Cavity-ferrite combiner, 4 channel, High 'Q' 10" 1/4 wave cavities, 459 to 512 MHz

- Broad band isolators covering the specified band
- Dual stage isolators and 10 inch high 'Q' 1/4 wave bandpass cavity for each channel
- Works for inter-channel spacings as close as 100 KHz

The CTx-450F-R-y series combines the mechanical features of open-frame construction with UHF cavities to provide a high performance transmitter combiner for the 406-512 MHz frequency band. Typical insertion losses for 4 and 6 channels are illustrated below.



www.sinctech.com

Region	United States	Europe, Middle East and Africa	Caribbean and Latin America	Canada and rest of the world
<b>Telephone</b>	USA: 1 800 263 3275	International: +44 (0) 1487 84 28 19	International: +1 905 726 7676	Canada: 1 800 263 3275 International: +1 905 727 0165
<b>E-mail</b>	salesusa@sinctech.com	salesuk@sinctech.com	salesla@sinctech.com	salescan@sinctech.com

### Electrical Specifications

Frequency Range	MHz	459 to 512
Input VSWR (max)		1.25:1
Maximum Input Power (per channel)	W	150
Input Connectors		N-Female
Output Connectors		N-Female
Frequency separation (max)	MHz	12
Frequency separation (min)	MHz	0.1
Insertion loss (max) Tx to Ant	dB	4.4
Isolation Tx to Tx	dB	60
Isolation antenna to Tx	dB	50
Output VSWR		2:1
Number of channels		4

### Mechanical Specifications

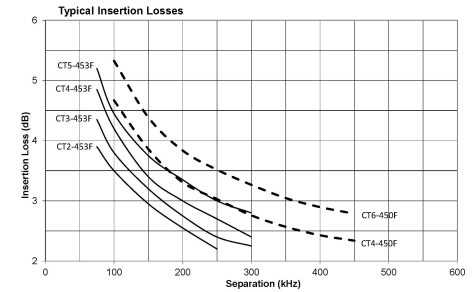
Depth	in (mm)	21 (533)
Length/ Height	in (mm)	38 (965)
Width	in (mm)	21 (533)
Weight	lbs (kg)	90 (40.86)
Finish		chemical conversion
Actual Shipping weight	lbs (kg)	95 (43.13)
Shipping dimensions	in (mm)	22x22x43 (559x559x1092)

### Environmental Specifications

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

Specify frequency for the four Tx channels.



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