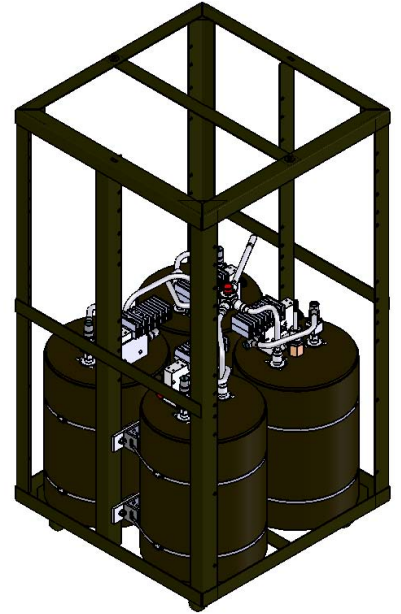


CT4450F-R-4 Cavity-ferrite combiner, 4 channel, High 'Q' 10" 1/4 wave cavities, 430 to 470 MHz

- 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 |
|------------------|-----------------------|--------------------------------------|--------------------------------|--|
| Telephone | 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 |
| E-mail | salesusa@sinctech.com | salesuk@sinctech.com | salesla@sinctech.com | salescan@sinctech.com |

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 (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

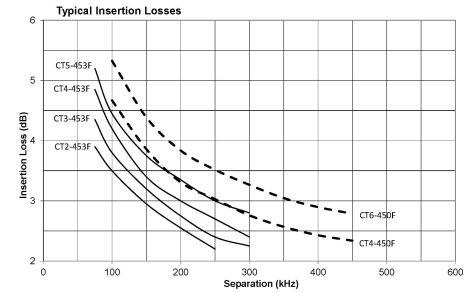
| | | |
|------------------------|----------|-------------------------|
| Depth | in (mm) | 21 (533) |
| Length/ Height | in (mm) | 38 (965) |
| Width | in (mm) | 21 (533) |
| Weight | lbs (kg) | 90 (40.86) |
| Finish | | chemical conversion |
| Actual Shipping weight | lbs (kg) | 95 (43.13) |
| Shipping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

Environmental Specifications

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

Ordering Information

Specify frequency for the four Tx channels.



| Region | United States | Europe, Middle East and Africa | Caribbean and Latin America | Canada and rest of the world |
|------------------|-----------------------|--------------------------------------|--------------------------------|--|
| Telephone | 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 |
| E-mail | salesusa@sinctech.com | salesuk@sinctech.com | salesla@sinctech.com | salescan@sinctech.com |