

# CUUS070X06Fxyz0

TRI BAND | SINGLE SECTOR | CANISTER ANTENNA | X-POL | FIXED TILT | 610 MM (24.0 IN)

## Features

- Single Sector configuration with 6 connectors
- Ideal for Small Cell / DAS applications
- Available with 4.3/10 or 7/16-DIN connectors
- Four unique mounting options
- Available in gray and brown



## Connector Description

The antenna has 6 connectors located at the bottom.

|              |  |               |                                |
|--------------|--|---------------|--------------------------------|
| Low Band     | <span style="color: red;">■</span> R1    | 696-960 MHz   | (2x) 4.3/10 or 7/16-DIN Female |
| High Band #1 | <span style="color: yellow;">■</span> Y1 | 1695-2700 MHz | (2x) 4.3/10 or 7/16-DIN Female |
| High Band #2 | <span style="color: yellow;">■</span> Y2 | 1695-2700 MHz | (2x) 4.3/10 or 7/16-DIN Female |

| Electrical Characteristics                             | Low Band <span style="color: red;">■</span> R1 |          | High Bands <span style="color: yellow;">■</span> Y1 and <span style="color: yellow;">■</span> Y2 |           |           |           |
|--|--|----------|--|-----------|-----------|-----------|
| Frequency Bands (MHz)                                  | 696-960 MHz                                    |          | (2x) 1695-2700 MHz   |           |           |           |
|  | 696-806  | 806-960  | 1695-1880  | 1850-1990 | 1920-2200 | 2300-2700 |
| Polarization   | ±45°   |          | (2x) ±45°  |           |           |           |
| Horizontal Beamwidth                                   | 70°  | 65°      | 70°  | 68°       | 65°       | 63°       |
| Vertical Beamwidth                                     | 35°  | 30°      | 17°  | 16°       | 15°       | 14°       |
| Gain   | 9.0 dBi  | 10.0 dBi | 13.0 dBi   | 13.5 dBi  | 14.0 dBi  | 14.3 dBi  |
| Electrical Downtilt (°)                                | (x) 0, 5                                       |          | (y) 0, 6   |           |           |           |
| Impedance  | 50Ω  |          | 50Ω  |           |           |           |
| VSWR   | ≤ 1.5:1  |          | ≤ 1.5:1  |           |           |           |
| Upper Sidelobe Suppression                             | > 15 dB  |          | > 15 dB  |           |           |           |
| Front-to-Back Ratio                                    | > 30 dB  |          | > 30 dB  |           |           |           |
| Isolation Between Ports                                | 20 dB  |          | 22 dB  |           |           |           |
| IM3 (2x20W carrier)                                    | < -153 dBc                                     |          | < -153 dBc   |           |           |           |
| Input Power  | (2x) 500 W                                     |          | (4x) 300 W   |           |           |           |
| Diplexed   | No   |          |  |           |           |           |
| Number of Sectors, Sector Spacing and/or Pattern Shape | 1 Sector                                       |          |  |           |           |           |
| Lightning Protection                                   | Direct Ground                                  |          |  |           |           |           |

## Mechanical Characteristics

|  |                     |                     |
|--|---------------------|---------------------|
| Antenna Dimensions (Height x Diameter) | 610 x 371 mm        | 24.0 x 14.6 in      |
| Weight without Mounting Bracket Kit    | 10.0 kg             | 22.1 lbs            |
| Antenna Volume                         | 0.07 m <sup>3</sup> | 2.3 ft <sup>3</sup> |
| Survival Wind Speed                    | 200 km/hr           | 125 mph             |
| Wind Area                              | 0.22 m <sup>2</sup> | 2.4 ft <sup>2</sup> |
| Wind Load (160 km/hr or 100 mph)       | 191 N               | 43 lbf              |

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Bottom View - Labeling

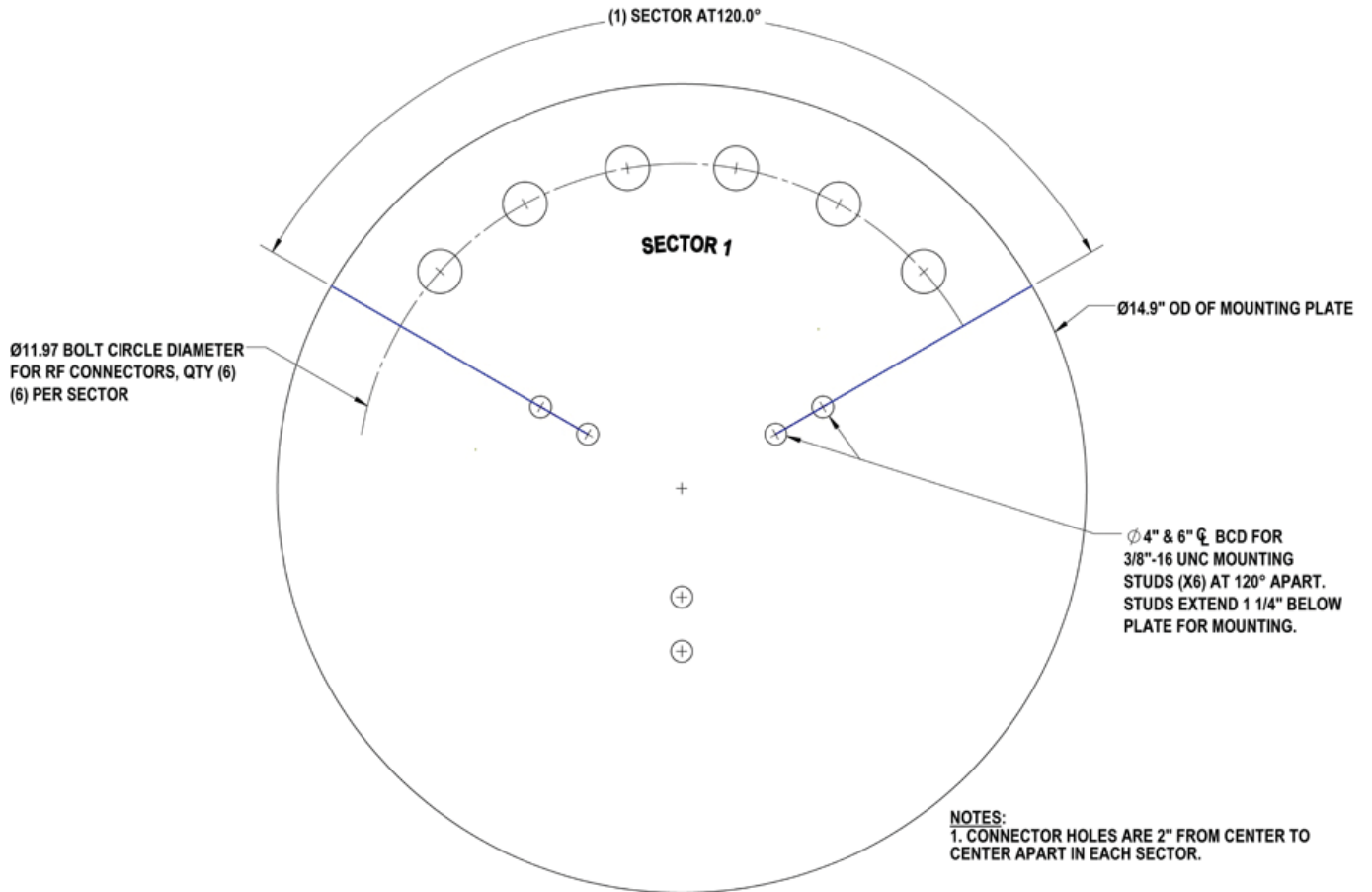
**NO  
IMAGE  
AVAILABLE**

**COMING  
SOON**

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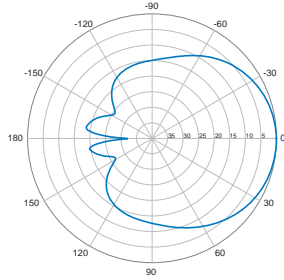
Bottom View - Connector Diagram



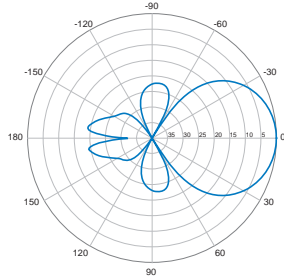
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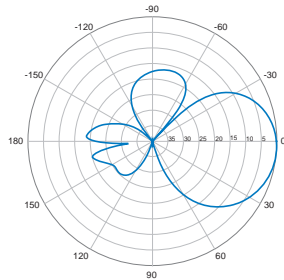
**696-960 MHz**



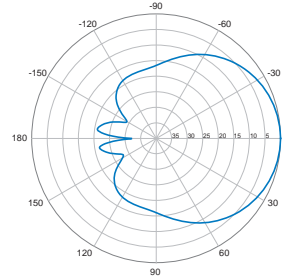
Horizontal | 750 MHz



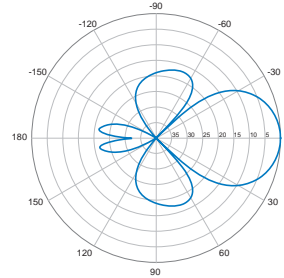
0° | Vertical | 750 MHz



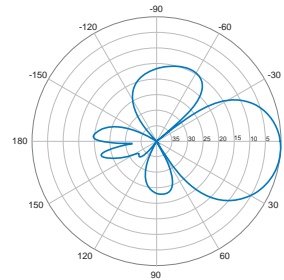
5° | Vertical | 750 MHz



Horizontal | 850 MHz



0° | Vertical | 850 MHz



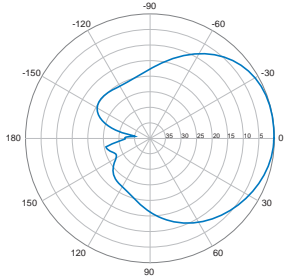
5° | Vertical | 850 MHz

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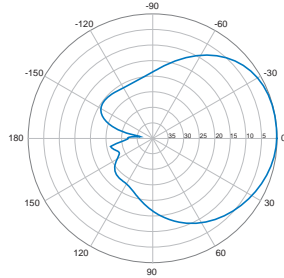
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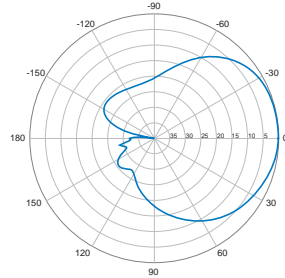
**1695-2700 MHz**



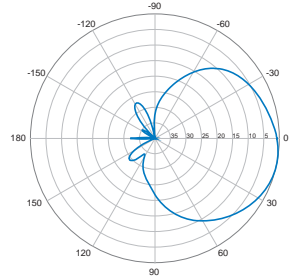
Horizontal | 1800 MHz



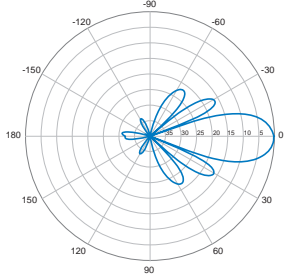
Horizontal | 1900 MHz



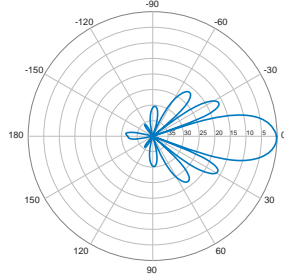
Horizontal | 2100 MHz



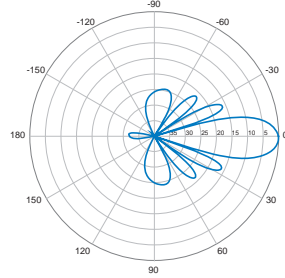
Horizontal | 2600 MHz



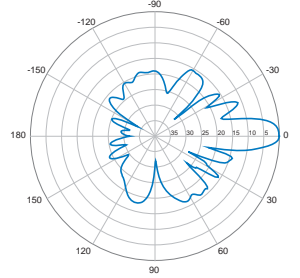
0° | Vertical | 1800 MHz



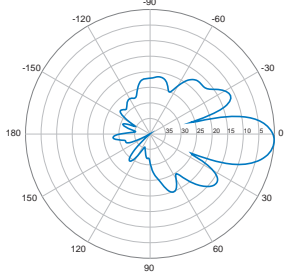
0° | Vertical | 1900 MHz



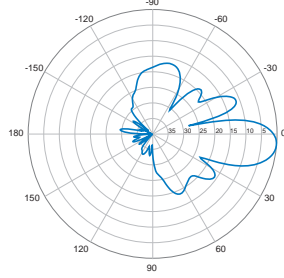
0° | Vertical | 2100 MHz



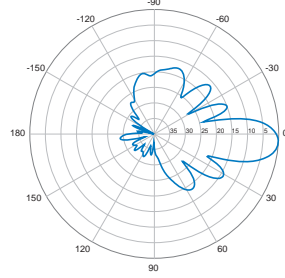
0° | Vertical | 2600 MHz



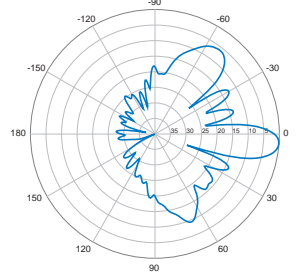
6° | Vertical | 1800 MHz



6° | Vertical | 1900 MHz



6° | Vertical | 2100 MHz



6° | Vertical | 2600 MHz

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### Ordering Options

When ordering, select the Paint Color, Degree of Electrical Downtilt (**xy**) for the Low and High Bands and the Connector Type (**z**).

| Paint Color   | Electrical Downtilt Degree |                        | Connector Type ( <b>z</b> ) |                            |
|---------------|----------------------------|------------------------|-----------------------------|----------------------------|
|               | Low Band ( <b>x</b> )      | High Band ( <b>y</b> ) | 4.3/10 Female               | 7/16-DIN Female            |
| Painted Gray  | 0°                         | 0°                     | CUUS070X06F <b>00s</b> 0    | CUUS070X06F <b>00D</b> 0   |
|               | 0°                         | 6°                     | CUUS070X06F <b>06s</b> 0    | CUUS070X06F <b>06D</b> 0   |
|               | 5°                         | 0°                     | CUUS070X06F <b>50s</b> 0    | CUUS070X06F <b>50D</b> 0   |
|               | 5°                         | 6°                     | CUUS070X06F <b>56s</b> 0    | CUUS070X06F <b>56D</b> 0   |
| Painted Brown | 0°                         | 0°                     | CUUS070X06F <b>00s</b> 0BR  | CUUS070X06F <b>00D</b> 0BR |
|               | 0°                         | 6°                     | CUUS070X06F <b>06s</b> 0BR  | CUUS070X06F <b>06D</b> 0BR |
|               | 5°                         | 0°                     | CUUS070X06F <b>50s</b> 0BR  | CUUS070X06F <b>50D</b> 0BR |
|               | 5°                         | 6°                     | CUUS070X06F <b>56s</b> 0BR  | CUUS070X06F <b>56D</b> 0BR |

### Mounting Kits

This antenna can be mounted using any of the following mounting kits. Mounting kits must be ordered separately.

| Side Mounting Bracket Kit   | Top Mounting Bracket Kit  | Utility Pole Mounting Bracket Kit  | Wide Diameter Pole Top Mounting Bracket Kit   |
|---|---|--|---|
| CWT-MKS-SIDE  | CWT-MKS-TOP   | WB3X-MKS-01  | CWT-MKS-BASE-xx   |
|  |  |  |  |

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