# CUT070X06Fxyz0

DUAL BAND | 3-SECTOR, CLOVER-SHAPE | CANISTER ANTENNA | X-POL | FIXED TILT | 610 MM (24.0 IN)

## Features

- 3-Sector, Clover-Shape configuration with 12 connectors
- Ideal for Small Cell / DAS applications
- Available with 4.3-10 *or* 7/16-DIN connectors
- Four unique mounting options
- Available for order with a grey, brown or black radome

## Connector Description

The antenna has 12 connectors located at the bottom.

| | | | |
|---|---|---|---|
| Low Band | R1 | 696-960 MHz | (6x) 4.3-10 *or* 7/16-DIN Female |
| Mid Band | Y1 | 1695-2700 MHz | (6x) 4.3-10 *or* 7/16-DIN Female |

| Electrical Characteristics | R1 | | Y1 | | | |
|---|---|---|---|---|---|---|
| Frequency Bands (MHz) | 696-960 MHz | | 1695-2700 MHz | | | |
| | 696-806 | 806-960 | 1695-1880 | 1850-1990 | 1920-2200 | 2300-2700 |
| Polarization | ±45° | | ±45° | | | |
| Horizontal Beamwidth | 75° | 70° | 75° | 76° | 77° | 63° |
| Vertical Beamwidth | 42° | 40° | 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 | N/A | | > 14 dB | | | |
| Front-to-Back Ratio | > 25 dB | | > 20 dB | | | |
| Isolation Between Ports | 23 dB | | 22 dB | | | |
| IM3 (2x20W carrier) | < -153 dBc | | < -153 dBc | | | |
| Input Power | (6x) 500 W | | (6x) 300 W | | | |
| Diplexed | No | | | | | |
| Number of Sectors, Sector Spacing and/or Pattern Shape | 3 Sectors, 120° Spacing, Clover-Shape | | | | | |
| 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 | 10.9 | kg | 24.1 | lbs |
| Antenna Volume | 0.07 | $m^3$ | 2.3 | $ft^3$ |
| Survival Wind Speed | 241 | km/hr | 150 | mph |
| Wind Area | 0.22 | $m^2$ | 2.4 | $ft^2$ |
| Wind Load (160 km/hr or 100 mph) | 191 | N | 43 | lbf |

Quoted performance parameters are provided to offer typical, peak or range values only and may vary as a result of normal testing, manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage to this product. Improvements to products may be made without notice.

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## Bottom View - Labeling

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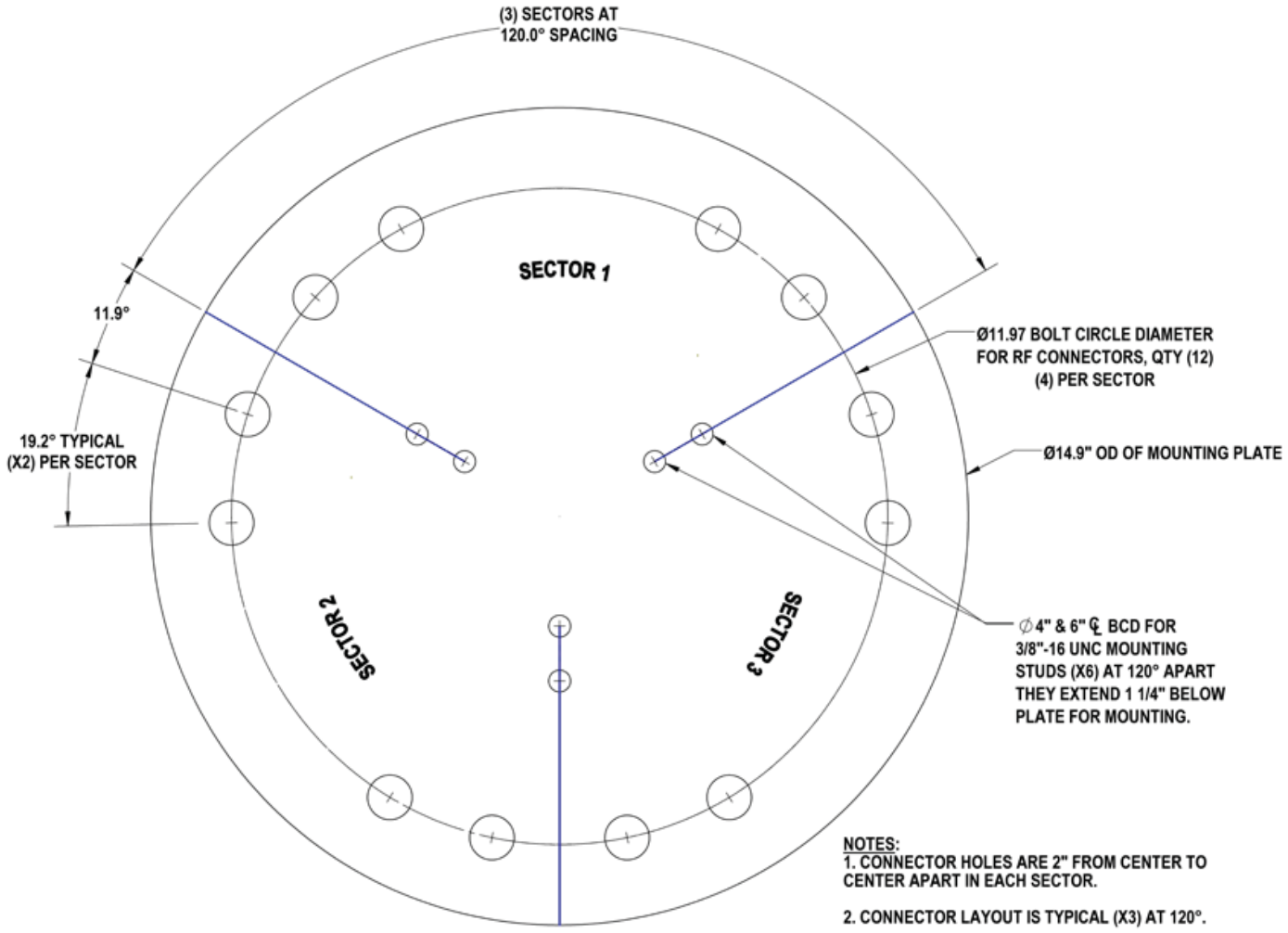
## Bottom View - Connector Diagram



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## Ordering Options

When ordering, select the Radome Color, Degree of Electrical Downtilt for the Low (**x**) and Mid Band (**y**) and the Connector Type (**z**).

| Radom Color | Electrical Downtilt Degree | | Connector Type (z) | |
|---|---|---|---|---|
| | Low Band ■ R1 (x) | Mid Band ■ Y1 (y) | 4.3-10 Female | 7/16-DIN Female |
| Grey Pantone 420 C | 0° | 0° | CUT070X06F**00s**0 | CUT070X06F**00D**0 |
| | 0° | 6° | CUT070X06F**06s**0 | CUT070X06F**06D**0 |
| | 5° | 0° | CUT070X06F**50s**0 | CUT070X06F**50D**0 |
| | 5° | 6° | CUT070X06F**56s**0 | CUT070X06F**56D**0 |
| Brown Pantone 476 C | 0° | 0° | CUT070X06F**00s**0**BR** | CUT070X06F**00D**0**BR** |
| | 0° | 6° | CUT070X06F**06s**0**BR** | CUT070X06F**06D**0**BR** |
| | 5° | 0° | CUT070X06F**50s**0**BR** | CUT070X06F**50D**0**BR** |
| | 5° | 6° | CUT070X06F**56s**0**BR** | CUT070X06F**56D**0**BR** |
| Black RAL 9011 | 0° | 0° | CUT070X06F**00s**0**BK** | CUT070X06F**00D**0**BK** |
| | 0° | 6° | CUT070X06F**06s**0**BK** | CUT070X06F**06D**0**BK** |
| | 5° | 0° | CUT070X06F**50s**0**BK** | CUT070X06F**50D**0**BK** |
| | 5° | 6° | CUT070X06F**56s**0**BK** | CUT070X06F**56D**0**BK** |

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## 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 |
|  |  |  |  |