

2C2UT070X06Fxs1

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

Features

- Diplexed, 3-Sector, Clover-Shape configuration with 12 connectors
- Ideal for Small Cell / DAS applications
- Available with 4.3-10 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 #1 | ■ R1 | 696-960 MHz | (3x) 4.3-10 Female |
| Low Band #2 | ■ R2 | 696-960 MHz | (3x) 4.3-10 Female |
| Mid Band #1 | ■ Y1 | 1695-2700 MHz | (3x) 4.3-10 Female |
| Mid Band #2 | ■ Y2 | 1695-2700 MHz | (3x) 4.3-10 Female |

| Electrical Characteristics | ■ R1 ■ R2 | | ■ Y1 ■ Y2 | | | |
|--|---------------------------------------|---------|--------------------|-----------|-----------|-----------|
| | (2x) 696-960 MHz | | (2x) 1695-2700 MHz | | | |
| Frequency Bands (MHz) | 696-806 | 806-960 | 1695-1880 | 1850-1990 | 1920-2200 | 2300-2700 |
| Polarization | (2x) ±45° | | (2x) ±45° | | | |
| Horizontal Beamwidth | 75° | 70° | 75° | 76° | 77° | 63° |
| Vertical Beamwidth | 80° | 54° | 17° | 16° | 15° | 14° |
| Gain | 6.7 dBi | 6.3 dBi | 12.3 dBi | 12.7 dBi | 13.0 dBi | 13.2 dBi |
| Electrical Downtilt (°) | (x) 0 | | (y) 0, 6 | | | |
| Impedance | 50Ω | | 50Ω | | | |
| VSWR | ≤ 1.5:1 | | ≤ 1.5:1 | | | |
| Upper Sidelobe Suppression | N/A | | > 15 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 | Yes | | | | | |
| 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 | 15.9 kg | 35.0 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

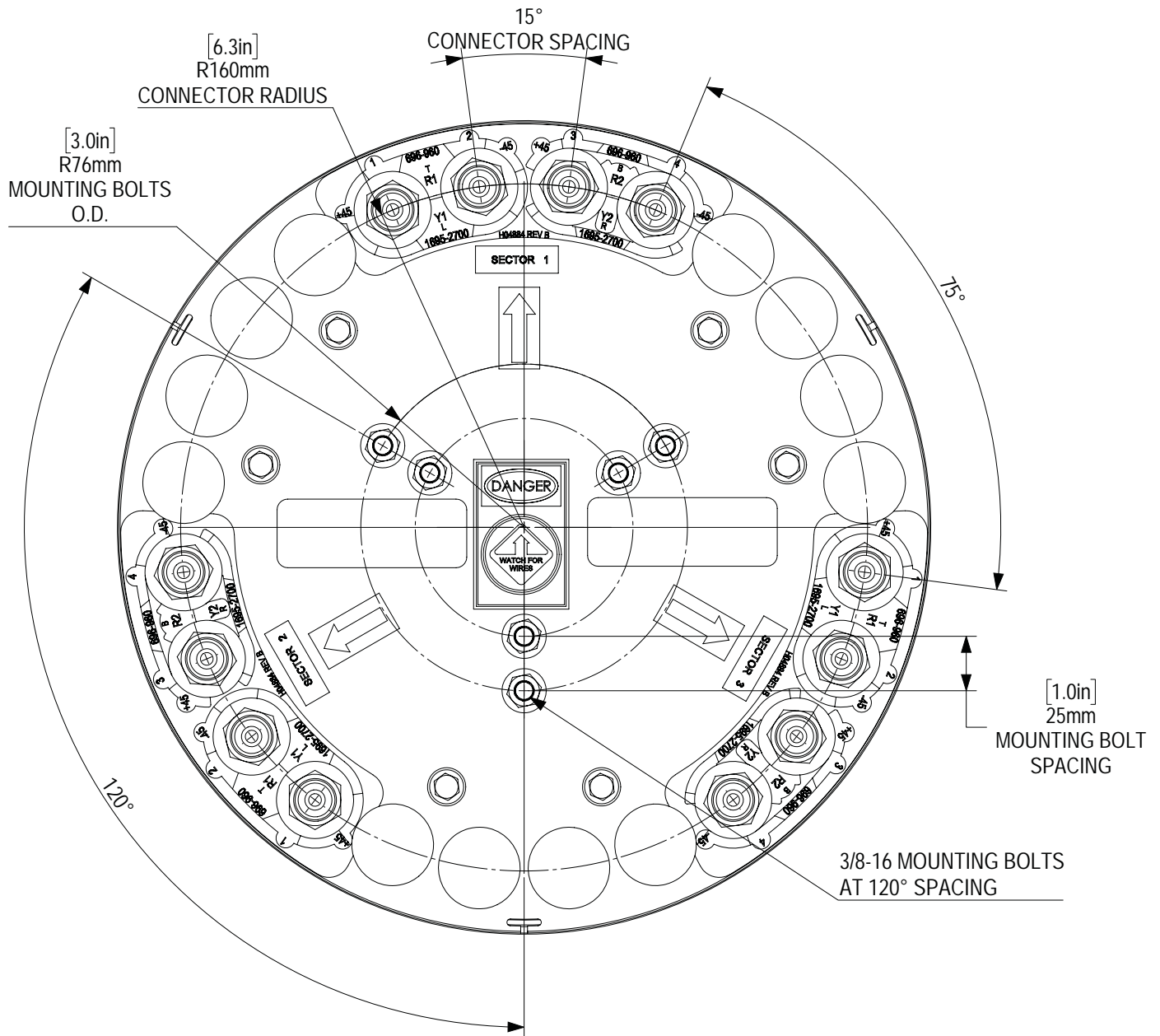


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Bottom View - Connector Diagram



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Ordering Options

When ordering, select the Radome Color and Degree of Electrical Downtilt for the Low (x) and Mid Bands (y)

| Radome Color | Electrical Downtilt Degree | | Model Number |
|------------------------|------------------------------|------------------------------|--------------------|
| | Low Band ■ R1 ■ R2 (x) | Mid Band ■ Y1 ■ Y2 (y) | |
| Grey Pantone 420 C | 0° | 0° | 2C2UT070X06F00s1 |
| | 0° | 6° | 2C2UT070X06F06s1 |
| Brown Pantone 476 C | 0° | 0° | 2C2UT070X06F00s1BR |
| | 0° | 6° | 2C2UT070X06F06s1BR |
| Black RAL 9011 | 0° | 0° | 2C2UT070X06F00s1BK |
| | 0° | 6° | 2C2UT070X06F06s1BK |

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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 |
|  |  |  |  |