Amphenol ANTENNA SOLUTIONS (2x) 696-960 / (4x) 1695-2700 / (2x) 3550-3700 / (1x) 5150-5925 MHz

## 2C4U3MT360X06Fxys0

MULTI BAND | OMNI | CANISTER ANTENNA | X-POL | FIXED TILT | 610 MM (24.0 IN)

### Features

- Omni configuration with 18 connectors
- Ideal for Small Cell / DAS applications
- This antenna meets the requirements of the U-NII
- Available for order with a grey, brown or black radome

### Connector Description

The antenna has 18 connectors located at the bottom.

| | | | |
|---|---|---|---|
| Low Band #1 | ■ R1 | 696-960 MHz | (2x) 4.3-10 Female |
| Low Band #2 | ■ R2 | 696-960 MHz | (2x) 4.3-10 Female |
| Mid Band #1 | ■ Y1 | 1695-2700 MHz | (2x) 4.3-10 Female |
| Mid Band #2 | ■ Y2 | 1695-2700 MHz | (2x) 4.3-10 Female |
| Mid Band #3 | ■ Y3 | 1695-2700 MHz | (2x) 4.3-10 Female |
| Mid Band #4 | ■ Y4 | 1695-2700 MHz | (2x) 4.3-10 Female |
| High Band #1 | ■ P1 | 3550-3700 MHz | (2x) 4.3-10 Female |
| High Band #2 | ■ P2 | 3550-3700 MHz | (2x) 4.3-10 Female |
| High Band #3 | ■ O1 | 5150-5925 MHz | (2x) 4.3-10 Female |

| Electrical Characteristics | | ■ R1 ■ R2 | | ■ Y1 ■ Y2 ■ Y3 ■ Y4 | | | | ■ P1 ■ P2 | ■ O1 |
|---|---|---|---|---|---|---|---|---|---|
| Frequency Bands (MHz) | | (2x) 696-960 | | (4x) 1695-2700 | | | | (2x) 3550-3700 | 5150-5925 |
| | | 696-806 | 806-960 | 1695-1880 | 1850-1990 | 1920-2200 | 2300-2700 | | |
| Polarization | | (2x) ±45° | | (4x) ±45° | | | | (2x) ±45° | ±45° |
| Horizontal Beamwidth | | 360° | 360° | 360° | 360° | 360° | 360° | 360° | 360° |
| Vertical Beamwidth | | 76.3° | 75.9° | 37.4° | 33.7° | 34.6° | 28° | 33° | 22° |
| Gain (dBi) | EASTA | 4.1 ± 0.7 | 3.9 ± 0.6 | 6.3 ± 0.6 | 6.2 ± 0.8 | 6.0 ± 0.9 | 6.7 ± 1.3 | 5.3 ± 0.5 | 5.1 ± 0.7 |
| | Max | 4.8 | 4.5 | 6.9 | 7.0 | 6.9 | 8.0 | 5.8 | 5.8 |
| Electrical Downtilt (°) | | (x) 0 | | (y) 2, 4, 6 | | | | 0 | 0 |
| Impedance | | 50Ω | | 50Ω | | | | 50Ω | 50Ω |
| VSWR | | ≤ 1.5:1 | | ≤ 1.5:1 | | | | ≤ 1.5:1 | ≤ 1.5:1 |
| Upper Sidelobe Suppression | | N/A | | > 15 dB | | | | N/A | > 15 dB |
| Isolation | Intraband | 25 dB | | 25 dB | | | | 25 dB | 25 dB |
| | Interband | 28 dB | | 28 dB | | | | 28 dB | 28 dB |
| IM3 (2x20W carrier) | | < -153 dBc | | < -153 dBc | | | | N/A | N/A |
| Input Power | | (4x) 500 W | | (8x) 300 W | | | | (4x) 100 W | (2x) 50 W |
| U-NII Compliant | | --- | | --- | | | | --- | Yes |
| Diplexed | | No | | | | | | | |
| Number of Sectors and/or Pattern Shape | | Omni | | | | | | | |
| 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 | 11.3 | kg | 25 lbs |
| Antenna Volume | 0.07 | m³ | 2.3 ft³ |
| Survival Wind Speed | 241 | km/hr | 150 mph |
| Wind Area | 0.22 | m² | 2.4 ft² |
| 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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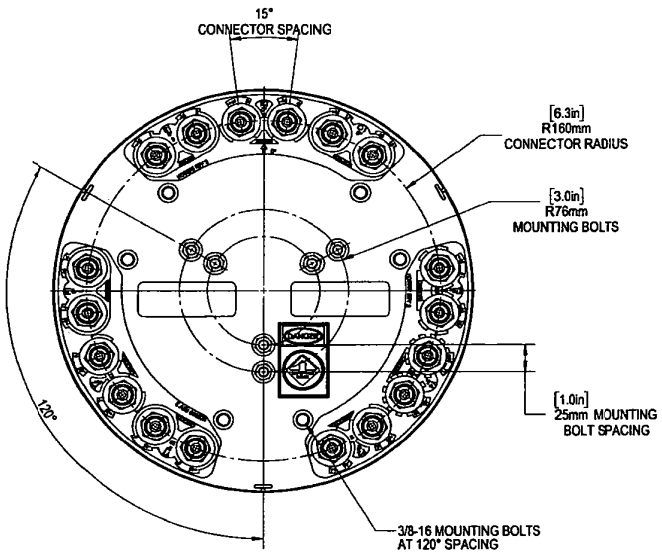
### Bottom View - Connector Diagram

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**ANTENNA DETAIL**

SCALE = NTS

CORRECTED

AT&T

3210 Lake Emma Road, Lake Mary, FL 32746

draftPros

Engineering Office
4461 Parkbreeze Ct
Orlando, FL 32808

PROFESSIONAL LICENSURE

ALEJO R. RODRIGUEZ LICENSE No. 20875 STATE OF FLORIDA PROFESSIONAL ENGINEER

I HEREBY CERTIFY THAT THESE PLANS WERE PREPARED UNDER MY DIRECT SUPERVISION AND TO THE BEST OF MY PROFESSIONAL KNOWLEDG THEY COMPLY WITH THE REQUIREMENT OF ALL APPLICABLE CODES AND ORDINANCES

REVISIONS

| BY | DESCRIPTION | DATE |
|---|---|---|
| DPI | REVISED PER COMMENTS | 11/19/19 |

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Sunshine 811

Call 811 or www.sunshine811.com two full business days before digging to have utilities located and marked.

*Check positive response codes before you dig!*

**PROJECT INFORMATION**

| | |
|---|---|
| DRAWING BY: | DRAFTPROS LLC |
| CHECK BY: | DRAFTPROS LLC |
| ORIGINAL SUBMITTAL: | MAR 14, 2019 |
| NODE NAME #: | CRAN_RTFL_PBC24_626 |
| TITLE: | **ANTENNA DETAIL** |

| SCALE: | PAGE: | OF: |
|---|---|---|
| NTS | 16 | 25 |