

# UUB070X06Fyz0

TWIN BAND | BACK-TO-BACK | CANISTER ANTENNA | X-POL | FIXED TILT | 610 MM (24.0 IN)



## Features

- Back-to-Back configuration with 8 connectors
- Ideal for Small Cell / DAS applications
- Available with 4.3-10 or 7/16-DIN connectors
- Four unique mounting options
- Available with a gray or brown radome

## Connector Description

The antenna has 8 connectors located at the bottom.

Band #1	■ Y1	1695-2700 MHz	(4x) 4.3-10 or 7/16-DIN Female
Band #2	■ Y2	1659-2700 MHz	(4x) 4.3-10 or 7/16-DIN Female

Electrical Characteristics	■ Y1 ■ Y2			
	Frequency Bands (MHz)	(2x) 1695-2700 MHz		
	1695-1880	1850-1990	1920-2200	2300-2700
Polarization	(2x) ±45°			
Horizontal Beamwidth	75°	76°	77°	63°
Vertical Beamwidth	17°	16°	15°	14°
Gain	12.8 dBi	13.0 dBi	13.3 dBi	13.8 dBi
Electrical Downtilt (°)	(y) 0, 6			
Impedance	50Ω			
VSWR	≤ 1.5:1			
Upper Sidelobe Suppression	> 15 dB			
Front-to-Back Ratio	> 20 dB			
Isolation Between Ports	22 dB			
IM3 (2x20W carrier)	< -153 dBc			
Input Power	(8x) 300 W			
Diplexed	No			
Number of Sectors, Sector Spacing and/or Pattern Shape	2 Sectors, Back-to-Back			
Lightning Protection	Direct Ground			

## Mechanical Characteristics

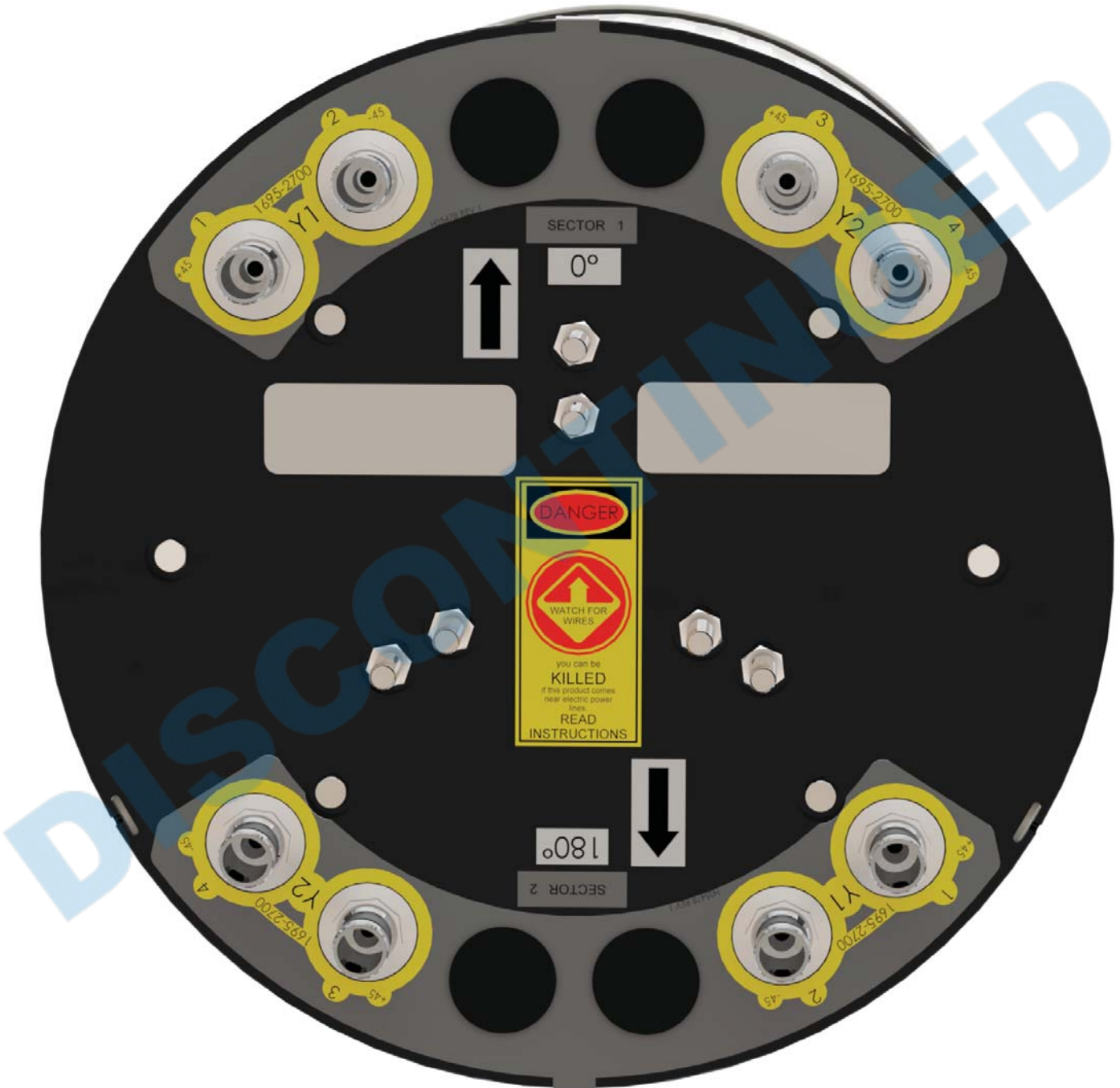
Antenna Dimensions (Height x Diameter)	610 x 371 mm	24.0 x 14.6 in
Weight without Mounting Bracket Kit	10 kg	22 lbs
Antenna Volume	0.07 m <sup>3</sup>	2.3 ft <sup>3</sup>
Survival Wind Speed	241 km/hr	150 mph
Wind Area	0.22 m <sup>2</sup>	2.4 ft <sup>2</sup>
Wind Load (160 km/hr or 100 mph)	191 N	43 lbf

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

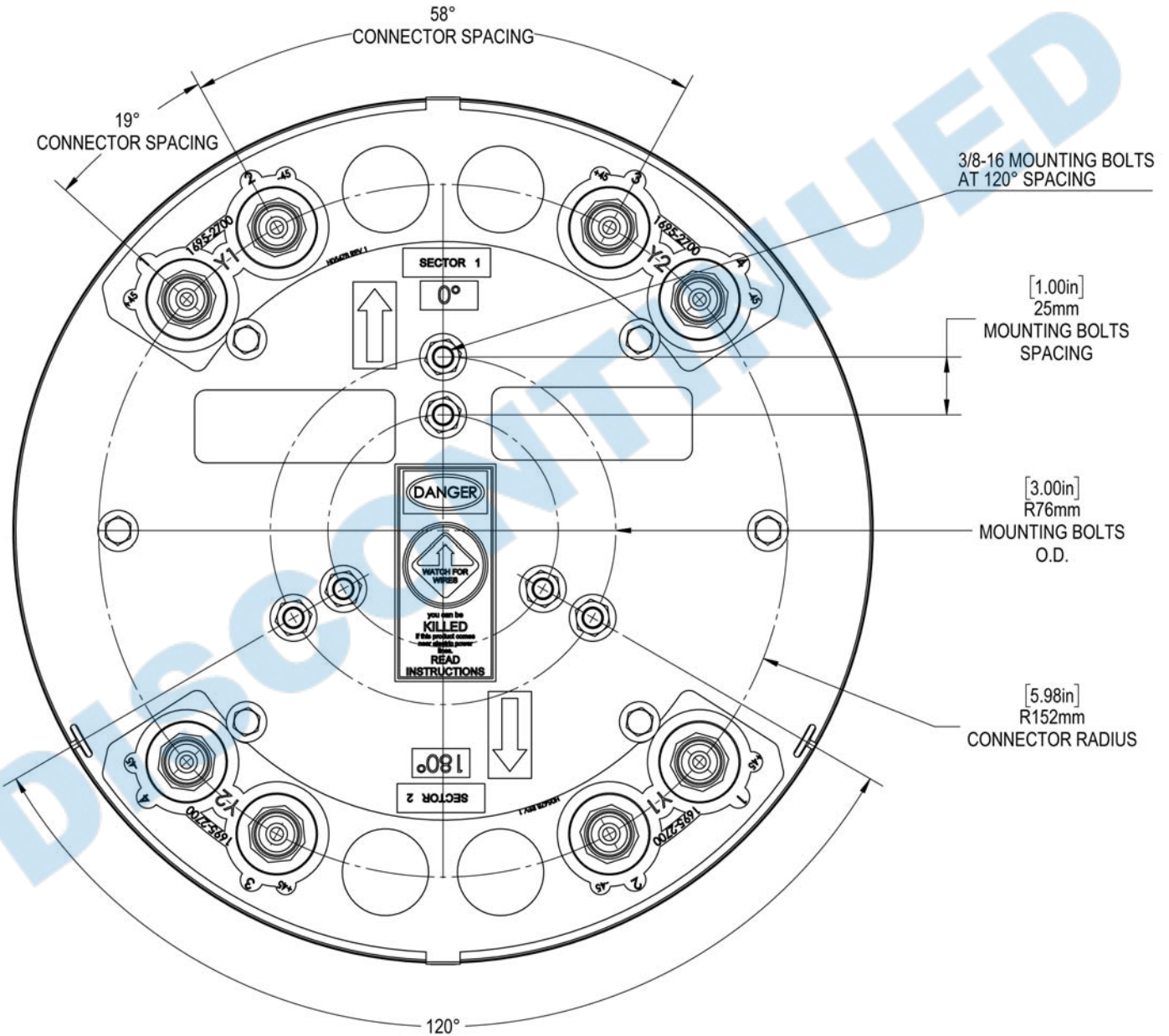


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Bottom View - Connector Diagram

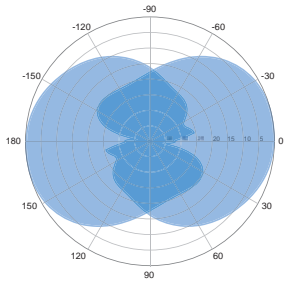


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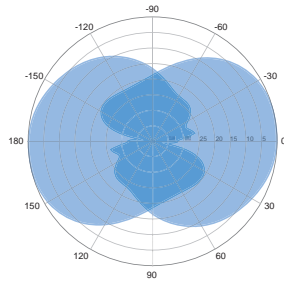
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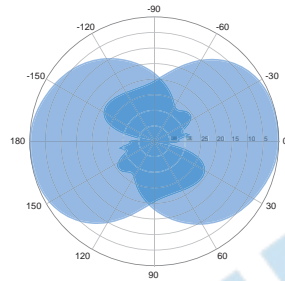
(2x) 1695-2700 MHz



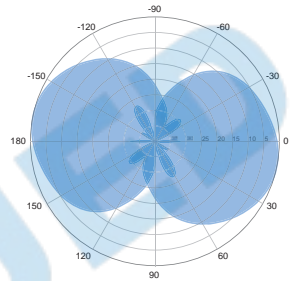
Horizontal | 1800 MHz



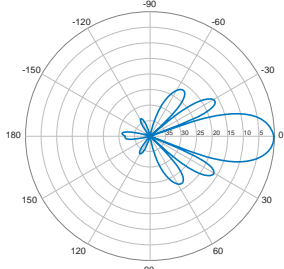
Horizontal | 1900 MHz



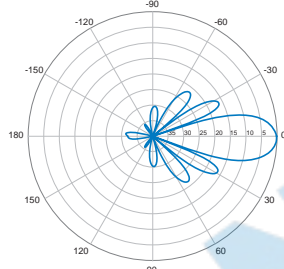
Horizontal | 2100 MHz



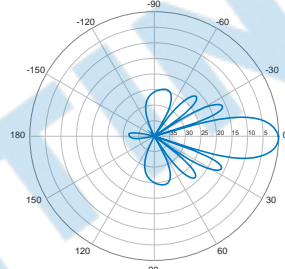
Horizontal | 2600 MHz



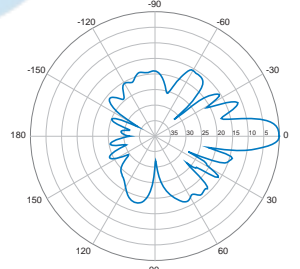
0° | Vertical | 1800 MHz



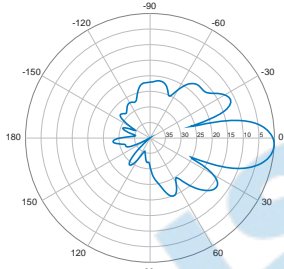
0° | Vertical | 1900 MHz



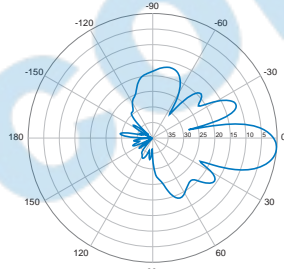
0° | Vertical | 2100 MHz



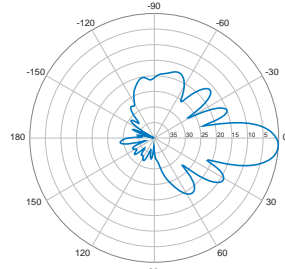
0° | Vertical | 2600 MHz



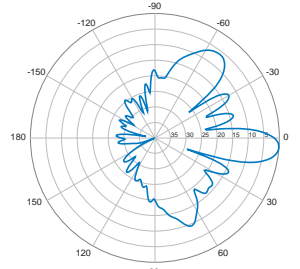
6° | Vertical | 1800 MHz



6° | Vertical | 1900 MHz



6° | Vertical | 2100 MHz



6° | Vertical | 2600 MHz

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### Ordering Options

When ordering, select the Radome Color, Degree of Electrical Downtilt (y) and the Connector Type (z).

Radome Color	Electrical Downtilt Degree (y)	Connector Type (z)	
	Band #1 and #2	4.3-10 Female	7/16-DIN Female
Gray	0°	UUB070X06F0s0	UUB070X06F0D0
	6°	UUB070X06F6s0	UUB070X06F6D0
Brown	0°	UUB070X06F0s0BR	UUB070X06F0D0BR
	6°	UUB070X06F6s0BR	UUB070X06F6D0BR

### 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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