

CUUD070X12Fxyz0

TRI BAND | DUAL SECTOR | CANISTER ANTENNA | X-POL | FIXED TILT | 1219 MM (48.0 IN)

Features

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

Electrical Characteristics	■ R1		■ Y1 ■ 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	82.0 ± 1.3	83.7 ± 8.1	77.0 ± 13.8	75.4 ± 11.3	73.7 ± 8.8	55.5 ± 6.6
Vertical Beamwidth	21.0 ± 0.8	17.6 ± 1.4	8.8 ± 0.7	8.6 ± 0.4	8.2 ± 1.5	6.1 ± 0.3
Gain (dBi)	12.5 ± 0.3	12.5 ± 0.6	15.9 ± 0.6	16.1 ± 0.6	16.2 ± 0.5	17.2 ± 0.3
Electrical Downtilt (°)	(x) 0, 6		(y) 0, 4			
Impedance	50Ω		50Ω			
VSWR	≤ 1.5:1		≤ 1.5:1			
Upper Sidelobe Suppression	> 10 dB		> 12 dB			
Front-to-Back Ratio	> 20 dB		> 25 dB			
Isolation Between Ports	20 dB		22 dB			
IM3 (2x20W carrier)	< -153 dBc		< -153 dBc			
Input Power	(4x) 500 W		(8x) 300 W			
Diplexed	No					
Number of Sectors, Sector Spacing and/or Pattern Shape	2 Sectors, 120° Spacing					
Lightning Protection	Direct Ground					

Mechanical Characteristics

Antenna Dimensions (Height x Diameter)	1219 x 371 mm	48.0 x 14.6 in
Weight without Mounting Bracket Kit	18.2 kg	40.1 lbs
Antenna Volume	0.13 m³	4.7 ft³
Survival Wind Speed	241 km/hr	150 mph
Wind Area	0.46 m²	4.9 ft²
Wind Load (160 km/hr or 100 mph)	383 N	86 lbf

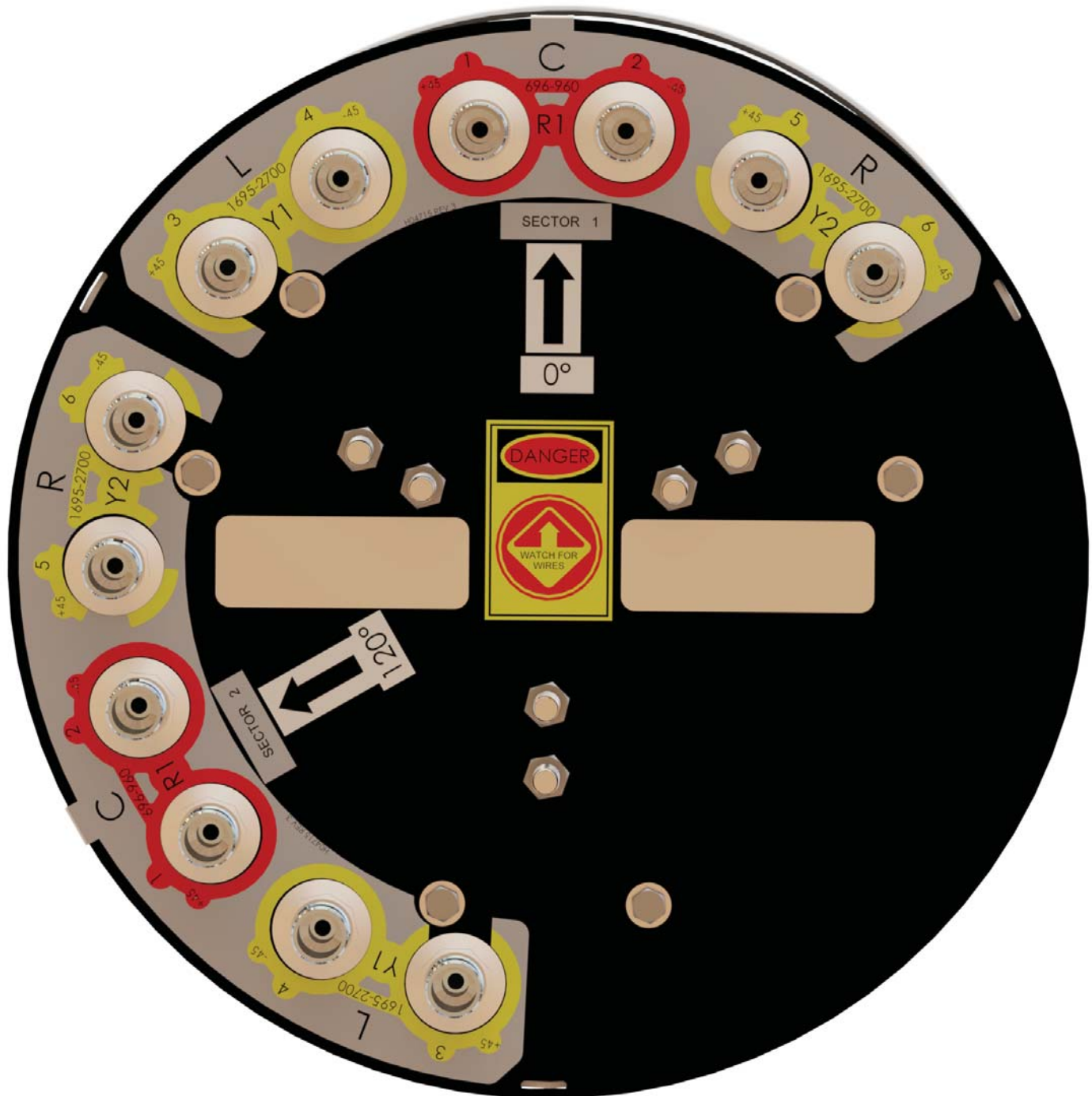
Quoted performance parameters are provided to offer typical, peak or range values only and may vary as a result of normal testing, manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage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



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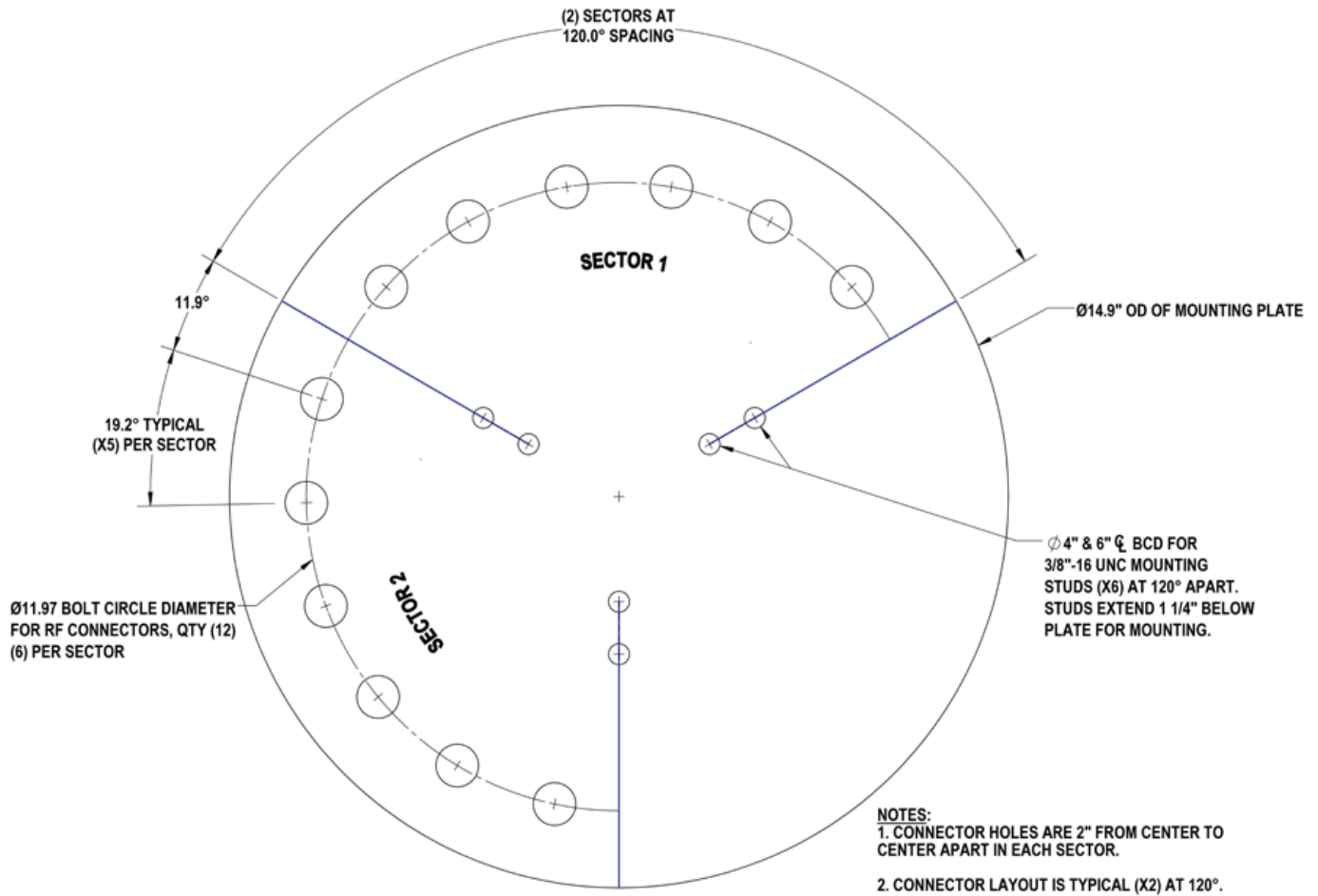
Bottom View - Labeling



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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 Bands (y) and the Connector Type (z).

Radome Color	Electrical Downtilt Degree		Connector Type (z)	
	Low Band ■ R1 (x)	Mid Band ■ Y1 ■ Y2 (y)	4.3-10 Female	7/16-DIN Female
Grey Pantone 420 C	0°	0°	CUUD070X12F00s0	CUUD070X12F00D0
	0°	4°	CUUD070X12F04s0	CUUD070X12F04D0
	6°	0°	CUUD070X12F60s0	CUUD070X12F60D0
	6°	4°	CUUD070X12F64s0	CUUD070X12F64D0
Brown Pantone 476 C	0°	0°	CUUD070X12F00s0BR	CUUD070X12F00D0BR
	0°	4°	CUUD070X12F04s0BR	CUUD070X12F04D0BR
	6°	0°	CUUD070X12F60s0BR	CUUD070X12F60D0BR
	6°	4°	CUUD070X12F64s0BR	CUUD070X12F64D0BR
Black RAL 9011	0°	0°	CUUD070X12F00s0BK	CUUD070X12F00D0BK
	0°	4°	CUUD070X12F04s0BK	CUUD070X12F04D0BK
	6°	0°	CUUD070X12F60s0BK	CUUD070X12F60D0BK
	6°	4°	CUUD070X12F64s0BK	CUUD070X12F64D0BK

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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
			

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