

2C2UT070X12F_{xys0}

QUAD BAND | 3-SECTOR, CLOVER-SHAPE | CANISTER ANTENNA | X-POL | FIXED TILT | 1219 MM (48.0 IN)

Features

- 3-Sector, Clover-Shape configuration with 24 connectors
- Ideal for Small Cell / DAS applications
- Available with 4.3/10 connectors
- Four unique mounting options
- Available in gray and brown



Connector Description

The antenna has 24 connectors located at the bottom.

Low Band #1	■ R1	696-960 MHz	(6x) 4.3/10 Female
Low Band #2	■ R2	696-960 MHz	(6x) 4.3/10 Female
High Band #1	■ Y1	1695-2700 MHz	(6x) 4.3/10 Female
High Band #2	■ Y2	1695-2700 MHz	(6x) 4.3/10 Female

Electrical Characteristics	Low Bands ■ R1 and ■ R2		High Bands ■ Y1 and ■ 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	70°	65°	70°	68°	65°	63°
Vertical Beamwidth	35°	30°	17°	16°	15°	14°
Gain	10.2 dBi	11.4 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	> 15 dB		> 15 dB			
Front-to-Back Ratio	> 30 dB		> 30 dB			
Isolation Between Ports	20 dB		22 dB			
IM3 (2x20W carrier)	< -153 dBc		< -153 dBc			
Input Power	(12x) 500 W		(12x) 300 W			
Diplexed	No					
Number of Sectors, Sector Spacing and/or Pattern Shape	3 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	19.1 kg	42.0 lbs
Antenna Volume	0.13 m ³	4.7 ft ³
Survival Wind Speed	200 km/hr	125 mph
Wind Area	0.46 m ²	4.9 ft ²
Wind Load (160 km/hr or 100 mph)	383 N	86 lbf

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Bottom View - Labeling

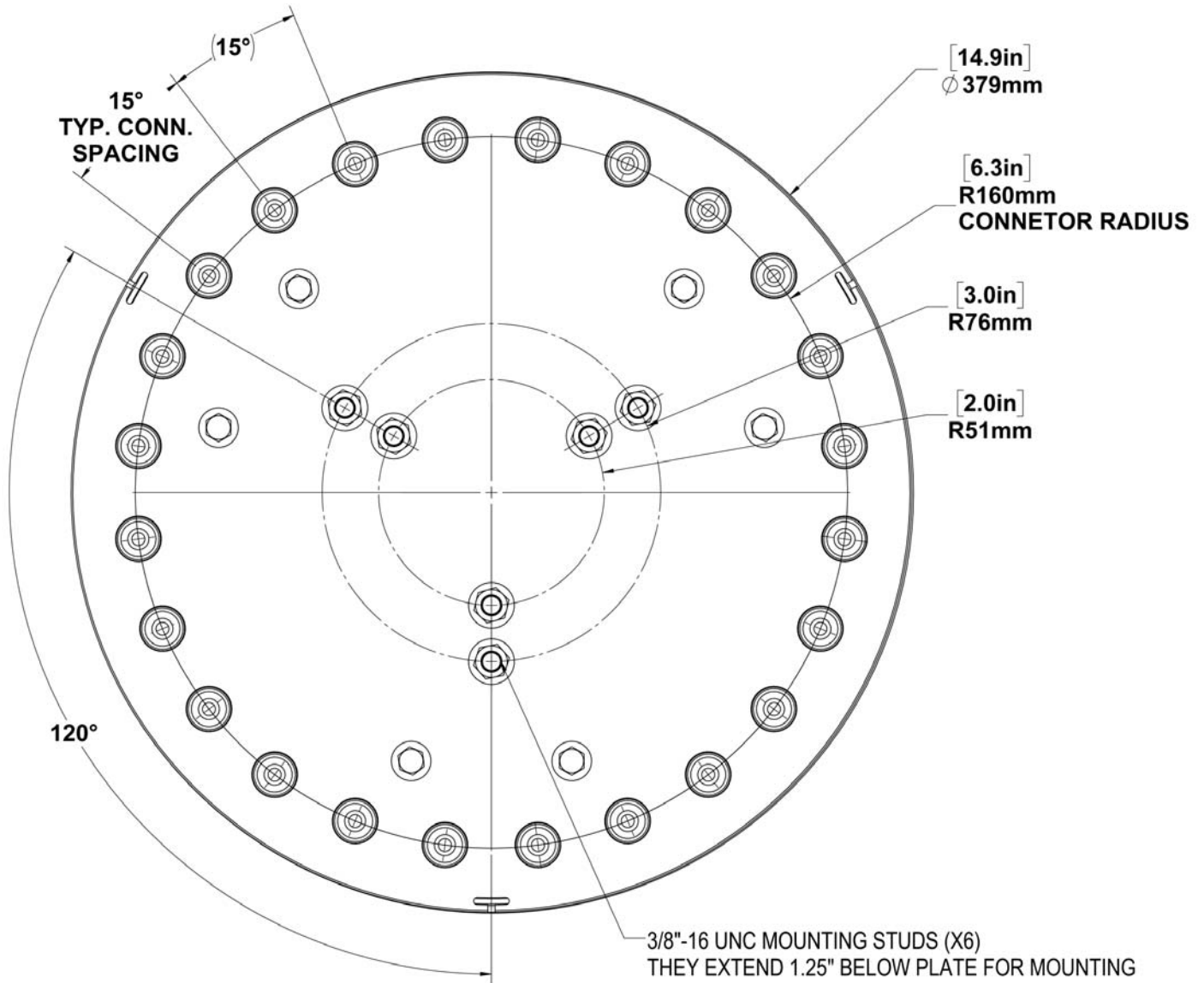


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Bottom View - Connector Diagram

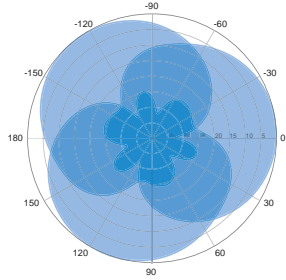


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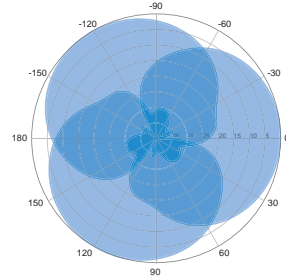
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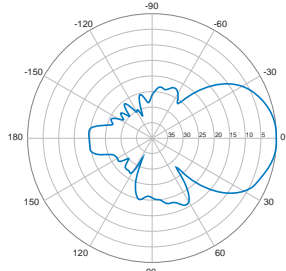
696-960 MHz



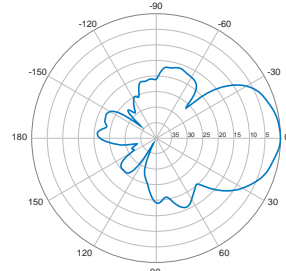
Horizontal | 750 MHz



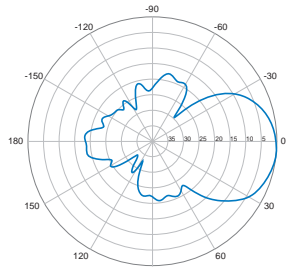
Horizontal | 850 MHz



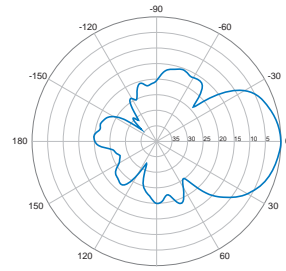
0° | Vertical | 750 MHz



0° | Vertical | 850 MHz



5° | Vertical | 750 MHz



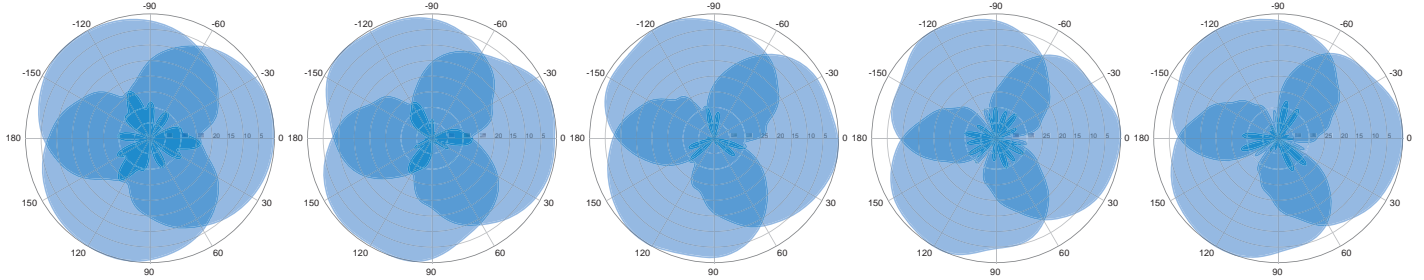
5° | Vertical | 850 MHz

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1695-2700 MHz



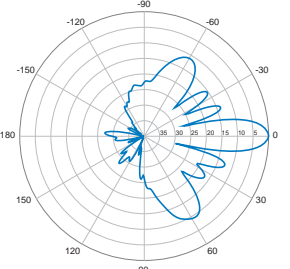
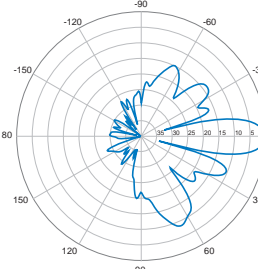
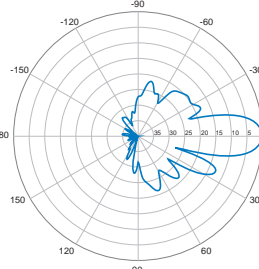
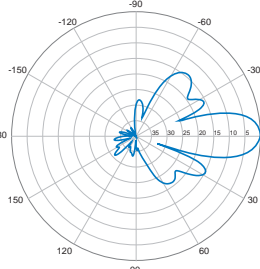
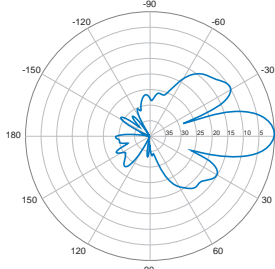
Horizontal | 1800 MHz

Horizontal | 1900 MHz

Horizontal | 2100 MHz

Horizontal | 2400 MHz

Horizontal | 2600 MHz



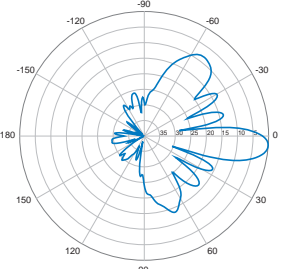
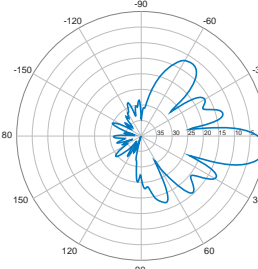
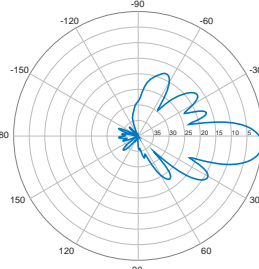
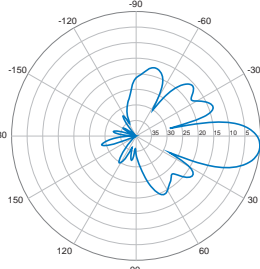
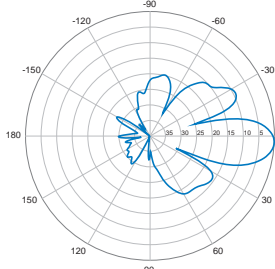
0° | Vertical | 1800 MHz

0° | Vertical | 1900 MHz

0° | Vertical | 2100 MHz

0° | Vertical | 2400 MHz

0° | Vertical | 2600 MHz



6° | Vertical | 1800 MHz

6° | Vertical | 1900 MHz

6° | Vertical | 2100 MHz

6° | Vertical | 2400 MHz

6° | Vertical | 2600 MHz

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Ordering Options

When ordering, select the Paint Color and Degree of Electrical Downtilt (**xy**) for the Low and High Bands.

Paint Color	Electrical Downtilt Degree		Connector Type
	Low Band (x)	High Band (y)	4.3/10 Female
Painted Gray	0°	0°	2C2UT070X12F 00 s0
	0°	6°	2C2UT070X12F 06 s0
	5°	0°	2C2UT070X12F 50 s0
	5°	6°	2C2UT070X12F 56 s0
Painted Brown	0°	0°	2C2UT070X12F 00 s0 BR
	0°	6°	2C2UT070X12F 06 s0 BR
	5°	0°	2C2UT070X12F 50 s0 BR
	5°	6°	2C2UT070X12F 56 s0 BR

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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