

## 2C2UT070X12F<sub>xys</sub>1

QUAD BAND | DIPLEXED | 3-SECTOR, CLOVER-SHAPE | CANISTER ANTENNA | X-POL | FIXED TILT | 1219 MM (48.0 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 / Mid Band #1 ■ R1 / ■ Y1 696-960 MHz / 1695-2700 MHz (6x) 4.3-10 Female

Low Band #2 / Mid Band #2 ■ R2 / ■ Y2 696-960 MHz / 1695-2700 MHz (6x) 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	77.5° ± 2.4°	71.5° ± 2.4°	82.8° ± 6.7°	80.0° ± 1.2°	78.5° ± 4.0°	63.5° ± 5.3°
Vertical Beamwidth	42.3° ± 2.7°	38.5° ± 7.5°	17.4° ± 1.2°	17.0° ± 2.4°	16.5° ± 4.7°	12.0° ± 1.2°
Gain (dBi)	9.7 ± 0.4	9.7 ± 0.6	12.8 ± 0.6	13.0 ± 0.5	13.4 ± 1.0	14.2 ± 0.4
Electrical Downtilt (°)	(x) 0, 5		(y) 0, 6			
Impedance	50Ω		50Ω			
VSWR	≤ 1.5:1		≤ 1.5:1			
Upper Sidelobe Suppression	> 14 dB		> 13 dB			
Front-to-Back Ratio	> 18 dB		> 24 dB			
Isolation Between Ports	20 dB		25 dB			
IM3 (2x20W carrier)	< -153 dBc		< -153 dBc			
Input Power	(6x) 500 W		(6x) 300 W			
Diplexed	Yes (Internal Diplexer)					
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 <sup>3</sup>	4.7 ft <sup>3</sup>
Survival Wind Speed	241 km/hr	150 mph
Wind Area	0.46 m <sup>2</sup>	4.9 ft <sup>2</sup>
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

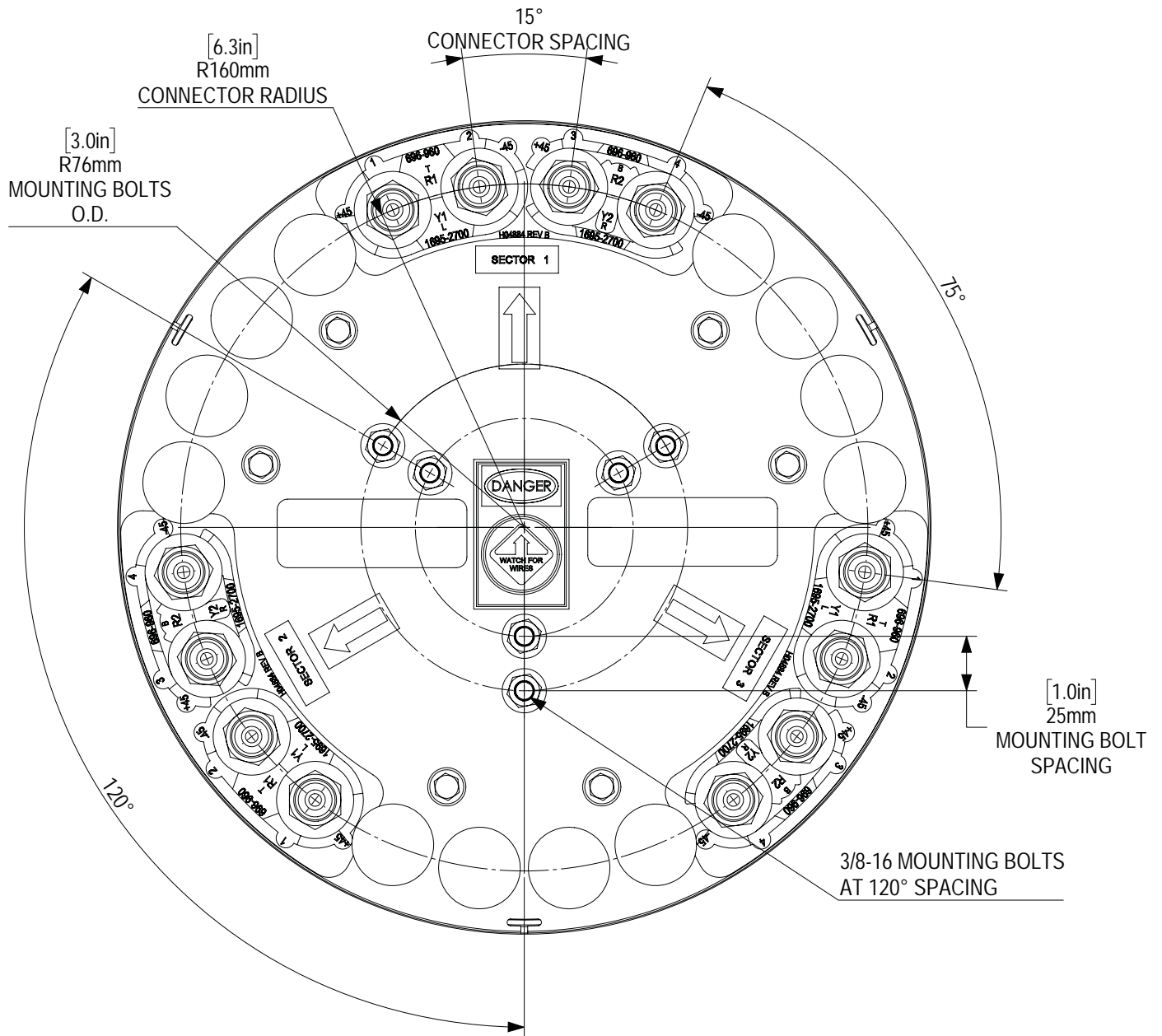


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Bottom View - Connector Diagram



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### Ordering Options

When ordering, select the Radome Color 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)	
Gray Pantone 420 C	0°	0°	2C2UT070X12F00s1
	0°	6°	2C2UT070X12F06s1
	5°	0°	2C2UT070X12F50s1
	5°	6°	2C2UT070X12F56s1
Brown Pantone 476 C	0°	0°	2C2UT070X12F00s1BR
	0°	6°	2C2UT070X12F06s1BR
	5°	0°	2C2UT070X12F50s1BR
	5°	6°	2C2UT070X12F56s1BR
Black RAL 9011	0°	0°	2C2UT070X12F00s1BK
	0°	6°	2C2UT070X12F06s1BK
	5°	0°	2C2UT070X12F50s1BK
	5°	6°	2C2UT070X12F56s1BK

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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
			